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November 5, 2001

Mr. David Waddell, Executive Secretary  
Tennessee Regulatory Authority  
460 James Robertson Parkway  
Nashville, Tennessee 37243-0505

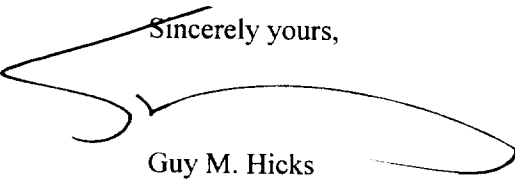
Re: *Approval of the Amendment to the Interconnection Agreement Negotiated by BellSouth Telecommunications, Inc. and Aeneas Communications LLC Pursuant to Sections 251 and 252 of the Telecommunications Act of 1996*  
Docket No. 01-00835

Dear Mr. Waddell:

In response to the Staff's request, enclosed please find the original and thirteen copies of the UNE Local Call Flows which are referenced in Sections 4.1.3.2.2 and 4.1.3.2.3 of the Amendment between Aeneas Communications LLC and BellSouth Telecommunications, Inc. which was filed with the Tennessee Regulatory Authority on September 26, 2001.

Thank you for your attention to this matter.

Sincerely yours,



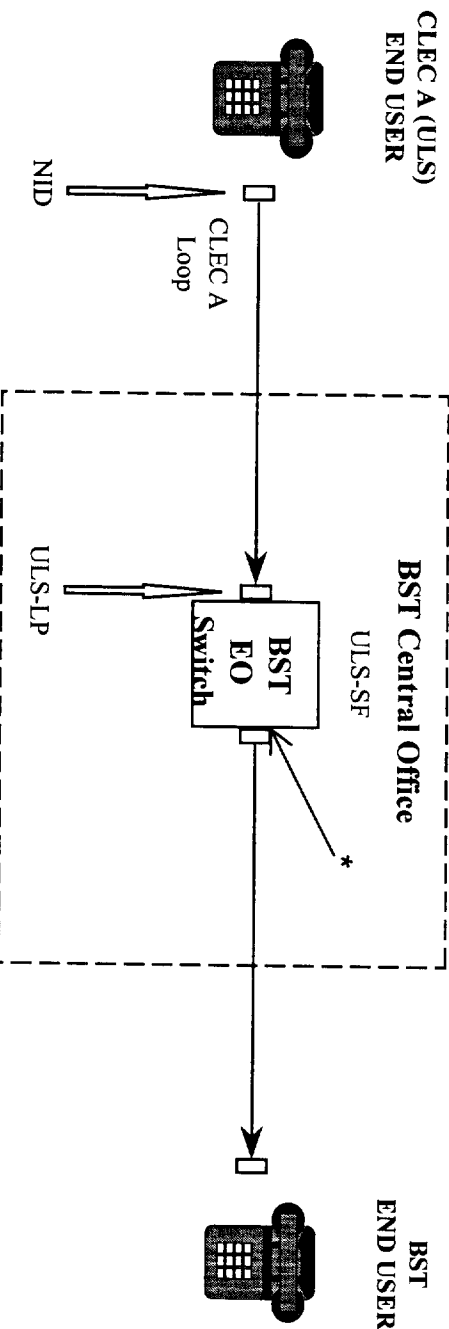
Guy M. Hicks

cc: Jonathan Harlan, Aeneas Communications, LLC

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 1. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

### Intraoffice/Intrastitch



#### Billing Concept

- Unbundled Network Elements

#### Usage Recordings

- Call Code 001/072 (NOT MB113) is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate to the type of service will be made.

\* indicates demarcation between UNE Network and other Networks

#### BST bills CLEC A

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled switching)

#### Billing Factors

- NA

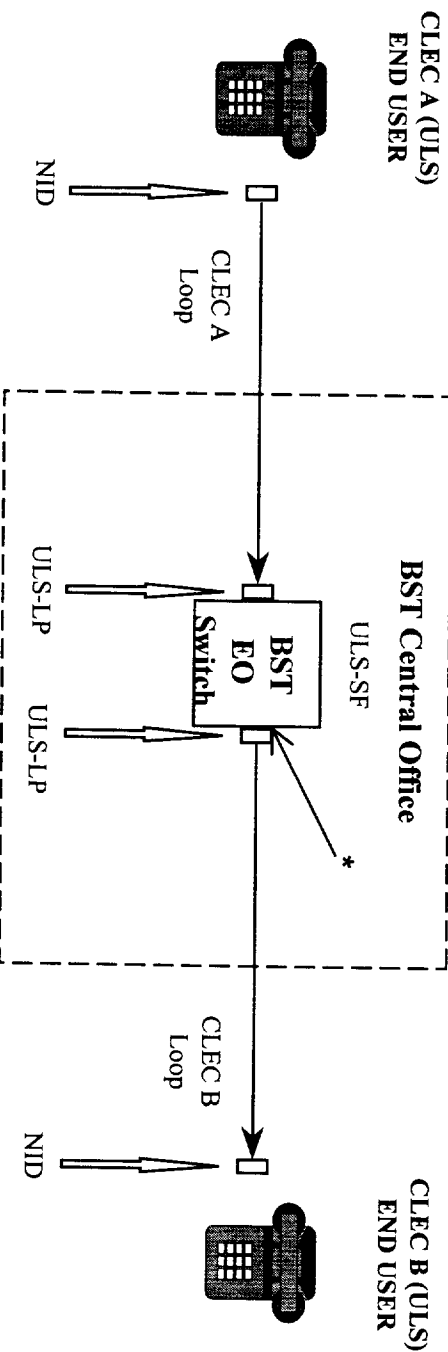
#### Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 2. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

### Intraoffice/Intraswitch



#### Billing Concept

-- Unbundled Network Elements

#### Usage Recordings

-- Call Code 001/072 (NOT MBI13) is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.

-- Normal EO recordings appropriate to the type of service will be made.

#### BST bills CLEC A

-- ULS-LP (loop and port monthly)

-- ULS-SF (unbundled switching - originating)

#### Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

#### Billing Factors

-- NA

\* indicates demarcation between UNE Network and other Networks

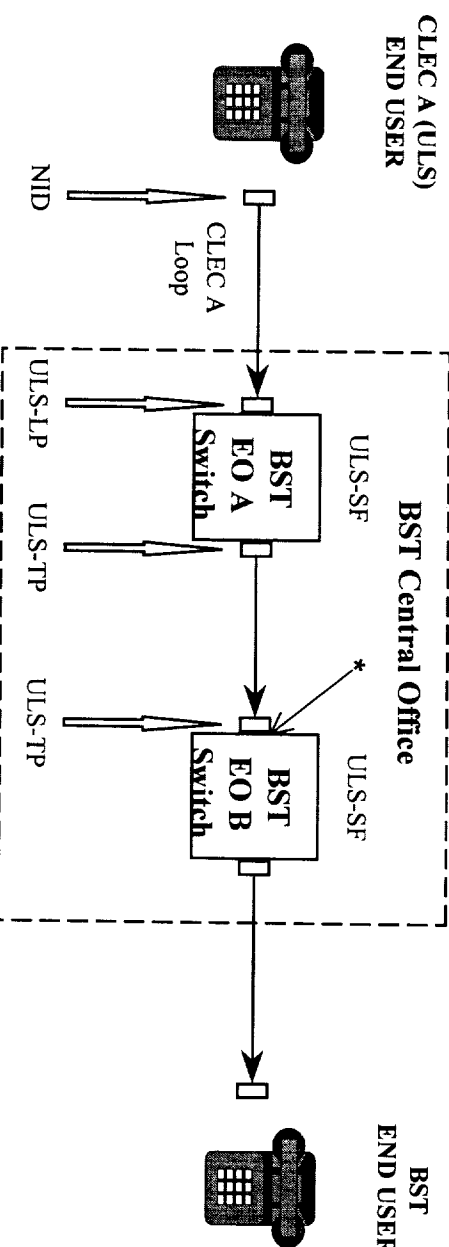
Note: Since terminating switching and reciprocal compensation are equal:

1. CLEC B does not pay BST for terminating switching and does not receive reciprocal compensation from CLEC A, since they net to zero.
2. CLEC A pays terminating switching to BST instead of paying reciprocal compensation to CLEC B.
3. BST does not have to provide the recording to CLEC B that it would need to bill CLEC A for reciprocal compensation

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 3. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

### Intraoffice/Interswitch



#### Billing Concept

-- Unbundled Network Elements

#### Usage Recordings

- Call Code 001/072 (NOT MBI13) is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate to the type of service will be made.

\* indicates demarcation between UNE Network and other Networks

#### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)
- 2 ULS-TPs (trunk ports)
- UTS-S (unbundled transport, fixed, mileage calculated from EO A to EO B) (zero transport miles)

#### Reciprocal Compensation

BST bills CLEC A Unbundled Local Switching as indicated above.

#### Billing Factors

-- NA

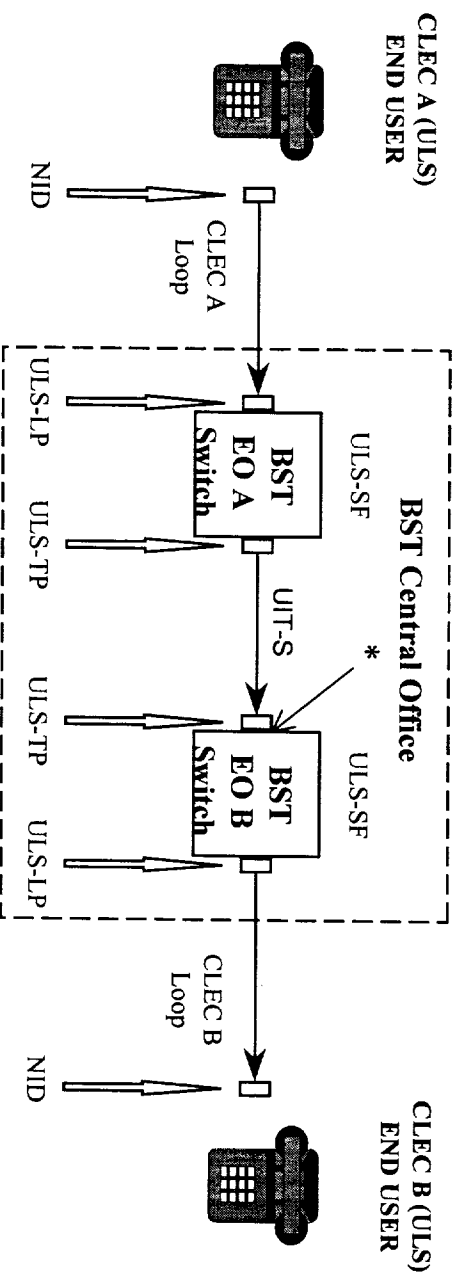
#### Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 4. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

### Intraoffice/Interswitch



#### Billing Concept

-- Unbundled Network Elements

#### Usage Recordings

-- Call Code 001/072 (NOT MBI13) is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.  
-- Normal EO recordings appropriate to the type of service will be made.

#### BST bills CLEC A

-- ULS-LP (loop and port monthly)  
-- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)  
-- 2 ULS-TPs (trunk ports)  
-- UIT-S (unbundled transport, fixed, mileage calculated from EO A to EO B) (zero transport miles)

#### Billing Factors

-- NA

#### Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

\* indicates demarcation between UNE Network and other Networks

Note: Since terminating switching and reciprocal compensation are equal:

1. CLEC B does not pay BST for terminating switching and does not receive reciprocal compensation from CLEC A, since they net to zero.
2. CLEC A pays terminating switching to BST instead of paying reciprocal compensation to CLEC B.
3. BST does not have to provide the recording to CLEC B that it would need to bill CLEC A for reciprocal compensation.

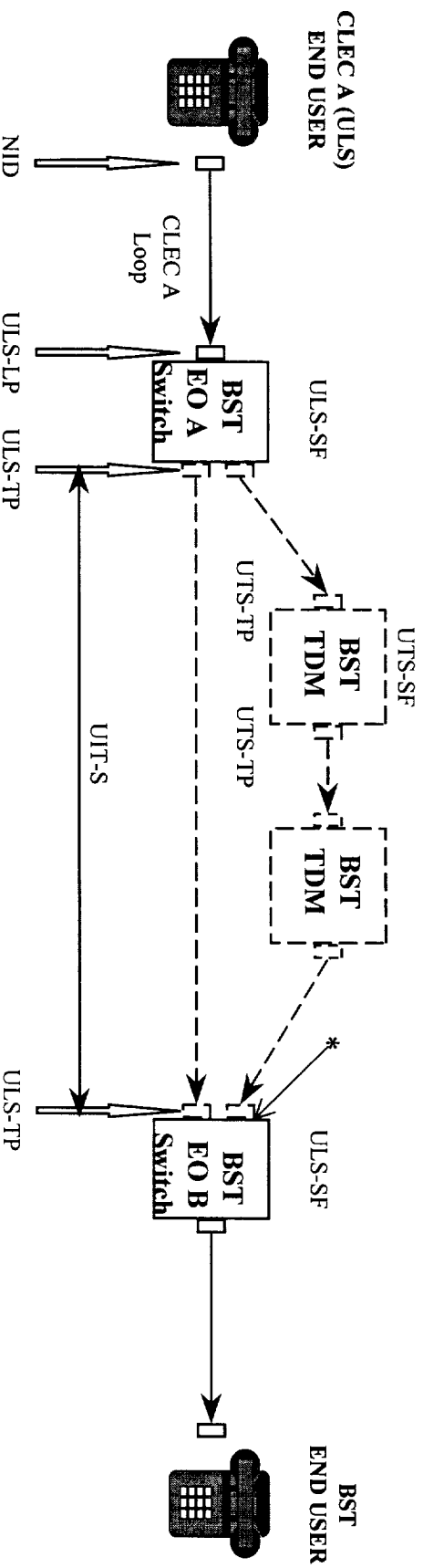
#### BST bills CLEC B

-- ULS-LP (loop and port monthly)

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 5. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

### Interoffice



### Billing Concept

-- Unbundled Network Elements

### Usage Recordings

- Call Code 001/072 (NOT MB113) or Call Code 006/072 is made at the End Office.
- No tandem indicator, no access time, no attempts. No terminating recording.
- Normal EO recordings appropriate to the type of service will be made.
- NOTE: Call code 006 records are related to ELCA plans.

\* indicates demarcation between UNE Network and other Networks

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)
- 2 ULS-TPs (end office trunk ports)
- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from EO A to EO B)
- UTS-SF (unbundled melded tandem switching)
- 2 UTS-TPs (melded tandem trunk ports)

### Reciprocal Compensation

BST bills CLEC A Unbundled Local Switching as indicated above.

### Billing Factors

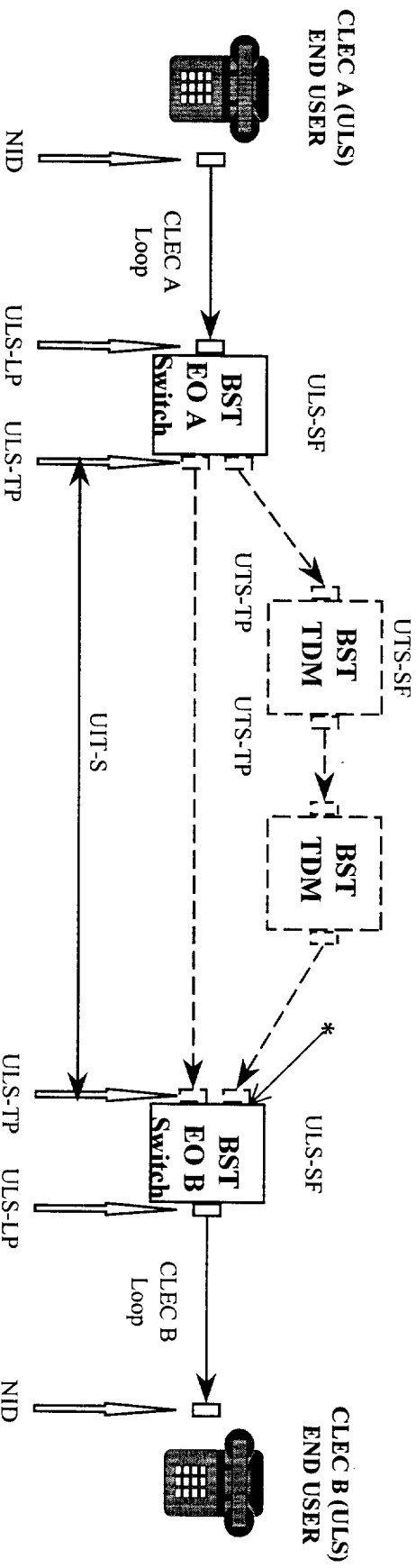
-- NA

### Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

## 6. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

# Interoffice



## Billing Concept

- ## -- Unbundled Network Elements

## Usage Recordings

- Call Code 00/072 (NOT MB113) or  
Call Code 006/072 is made at the End Office.

No tandem indicator, no access time, no attempts. No term recording.

- Normal EO recordings appropriate to the type of service will be made.

**NOTE:** Call code 006 records are related to

## ELCA plans.

**BST bills CLECA**

- ```
-- ULS-LP (loop and port monthly)
-- 2 ULS-SFs (unbundled switching -
    originating and terminating, summarized at EO A)
-- 2 ULS-TPs (end office trunk ports)
-- UTS-S (unbundled transport - shared,
    fixed and per mil, mileage from EO A to EO B)
-- UTS-SF (unbundled melded tandem switching)
-- 2 UTS-TPs (melded tandem trunk ports)
```

# BST bills CLECB

- Uls-LP (loop and port monthly)

**Note:** Since terminating switching and reciprocal compensation are equal:

1. CLEC B does not pay BST for terminating switching and does not receive reciprocal compensation from CLEC A, since they net to zero.
2. CLEC A pays terminating switching to BST instead of paying reciprocal compensation to CLEC B.
3. BST does not have to provide the recording to CLEC B that it would need to bill CLEC A for reciprocal compensation

## Billing Factors

- NA

## Record Exchange

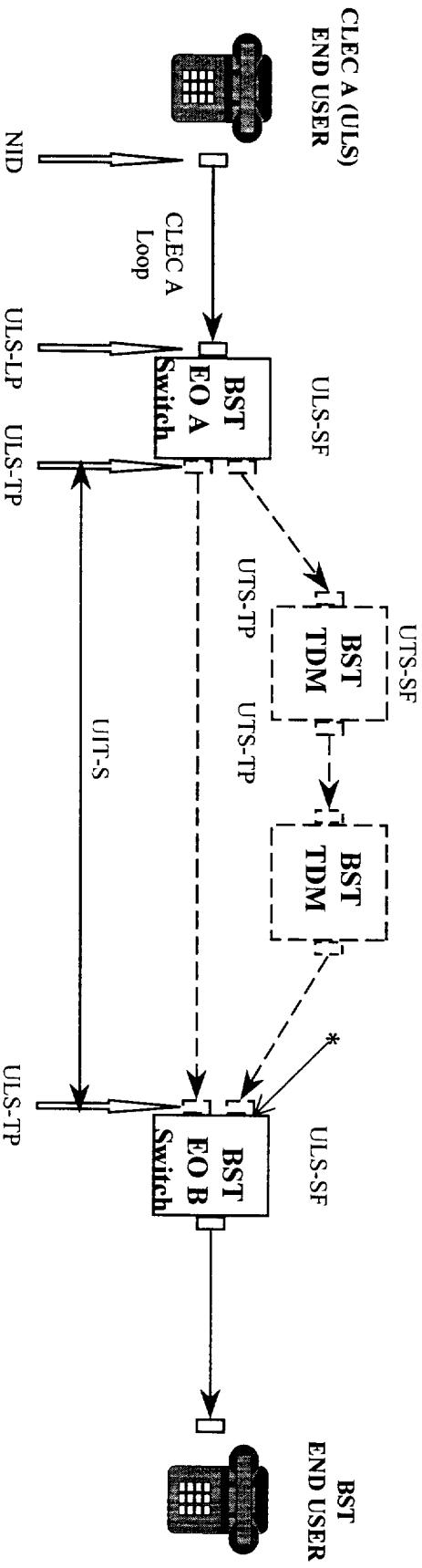
BellSouth sends CLEC A ODUF 10-01-31

(See Local/Toll Exceptions)

\* indicates demarcation between UNE Network and other Networks

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 7. BST Network – Call terminating outside of the originating 7 & 10 digit dialing arrangement but within the lata (i.e. 1+ call) - Interoffice



### Billing Concept

-- Unbundled Network Elements

### Usage Recordings

- Call Code 006 is made at the End Office. No tandem indicator, no access time, no attempts. No terminating recording.
- Normal EO recordings appropriate to the type of service will be made.

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)
- 2 ULS-TPs (end office trunk ports)
- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from EO A to EO B)
- UTS-SF (unbundled melded tandem switching)
- 2 UTS-TPs (melded tandem trunk ports)

### Billing Factors

-- NA

### Record Exchange

BellSouth sends CLEC A ODUF 10-01-01

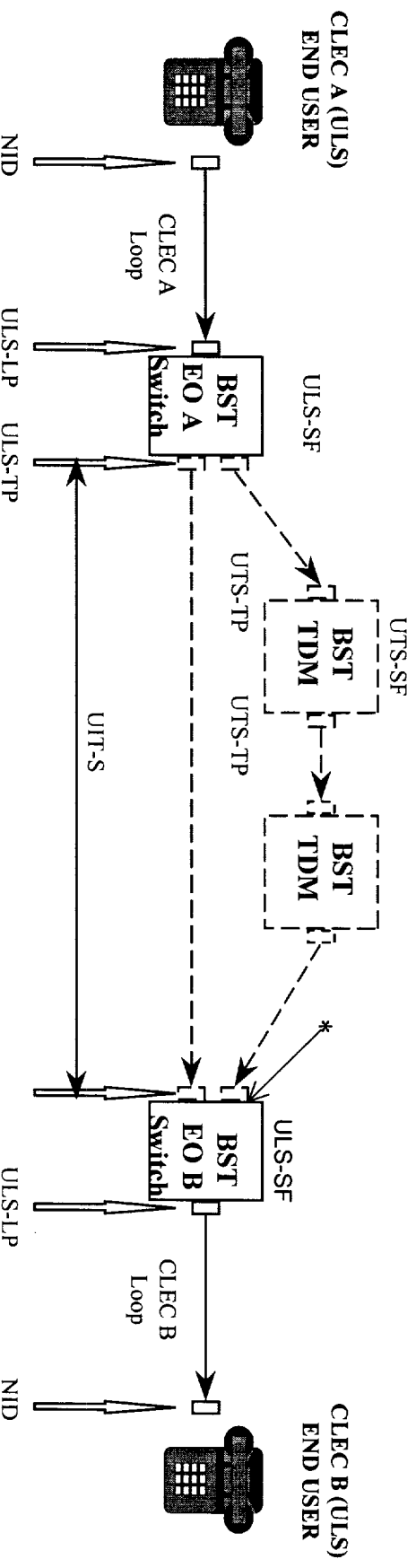
\* indicates demarcation between UNE Network and other Networks

### Reciprocal Compensation

BST bills CLEC A Unbundled Local Switching as indicated above.

**Note:** CLEC A must LPIC BST in order for BellSouth to transport and terminate this call. Appropriate terms and conditions must be contained within the CLEC/BellSouth Interconnection Agreement in order for BellSouth to provide this functionality to the CLEC.

**8. *BST Network – Call terminating outside of the originating 7 & 10 digit dialing arrangement but within the lata (i.e. 1+ call) - Interoffice***



## -- Unbundled Network Elements

- ## Billing Factors

-- Call Code 006 is made at the End Office.

- Record Exchange**  
BellSouth sends CLEC A  
ODUF 10-01-01

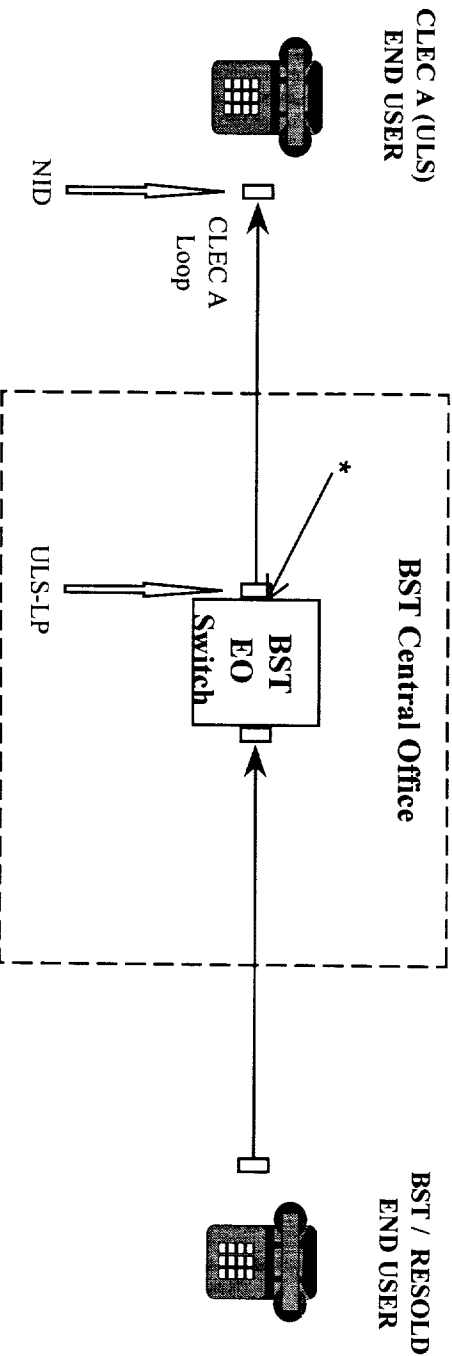
**Note:** CLEC A must LRIC BST in order for BellSouth to transport and terminate this call. Appropriate terms and conditions must be contained within the CLEC/BellSouth Interconnection Agreement in order for BellSouth to provide this functionality to the CLEC.

1. CLEC B does not pay BST for terminating switching and does not receive reciprocal compensation from CLEC A, since they net to zero.
2. CLEC A pays terminating switching to BST instead of paying reciprocal compensation to CLEC B.
3. BST does not have to provide the recording to CLEC B that it would need to bill CLEC A for reciprocal compensation

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 9. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

### *Intraoffice/Intrawitch*



#### Billing Concept

-- Unbundled Network Elements

#### Usage Recordings

-- Call Code 001/072 is made at the End Office.

No tandem indicator, no access time, no attempts.

No term recording. Note this is MBI13 if the BST

end user has flat-rated service.

-- Normal EO recordings appropriate to the type of service will be made.

\* indicates demarcation between UNE Network and other Networks

#### BST bills CLEC A

-- ULS-LP (loop and port monthly)

#### Billing Factors

-- NA

#### Record Exchange

-- NA

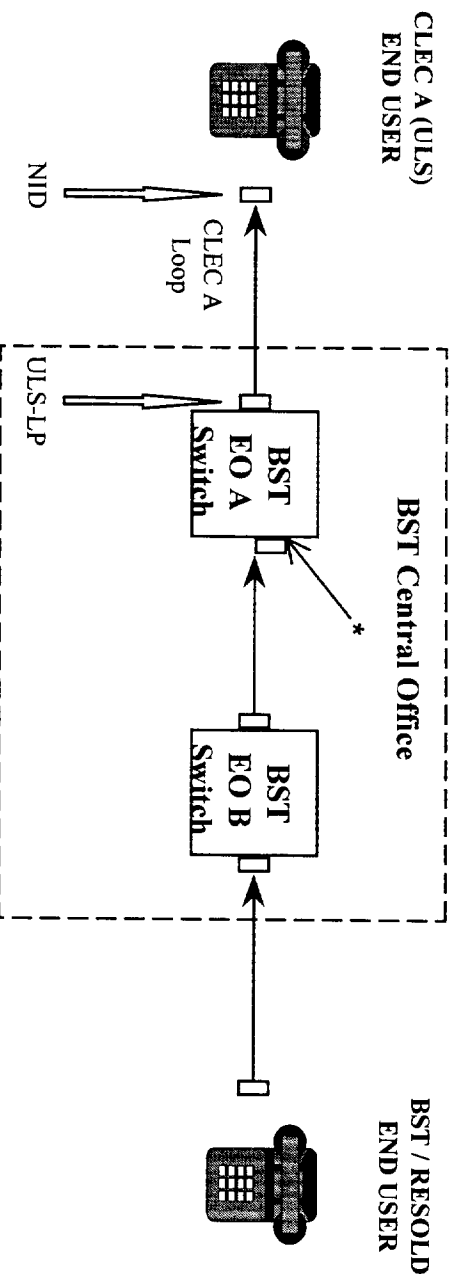
#### Reciprocal Compensation

CLEC A does not charge BellSouth reciprocal compensation as the charges that UNE CLEC A may be entitled to charge BellSouth for terminating local switching would be the same as the charges BellSouth would charge UNE CLEC A for unbundled switching. Such charges would net to zero, since they are the same rate. Therefore, neither Party charges for the unbundled local switching functionality.

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 10. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

### *Intraoffice/Interswitch*



#### Billing Concept

-- Unbundled Network Elements

#### Usage Recordings

-- Call Code 001/072 is made at the End Office B

No tandem indicator, no access time, no attempts.

No term recording. Note this is MB113 if the BST end user has flat-rated service.

-- Normal EO recordings appropriate to the type of service will be made.

\* indicates demarcation between UNE Network and other Networks

#### BST bills CLEC A

-- ULS-LP (loop and port monthly)

#### Billing Factors

-- NA

#### Record Exchange

-- NA

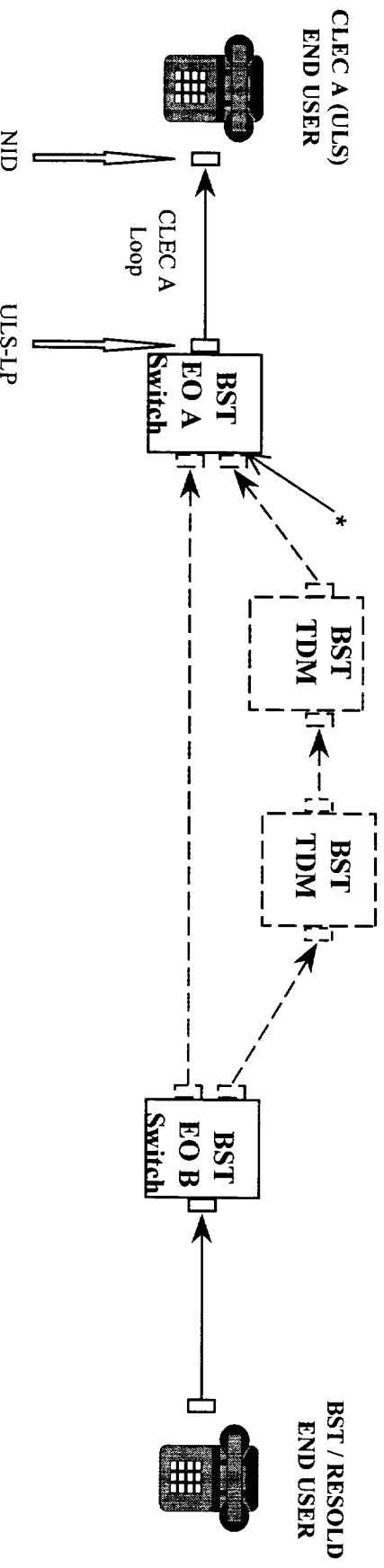
#### Reciprocal Compensation

CLEC A does not charge BellSouth reciprocal compensation as the charges that UNE CLEC A may be entitled to charge BellSouth for terminating local switching would be the same as the charges BellSouth would charge UNE CLEC A for unbundled switching. Such charges would net to zero, since they are the same rate. Therefore, neither Party charges for the unbundled local switching functionality.

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 11. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

### Interface



#### Billing Concept

-- Unbundled Network Elements

#### BST bills CLEC A

-- ULS-LP (loop and port monthly)

#### Billing Factors

-- NA

#### Record Exchange

-- NA

#### Usage Recordings

-- Call Code 001/072 (NOT MBI13) or Call Code 006/072

is made at the End Office B. No tandem indicator, no access time, no attempts. No term recording

Note this is MBI13 if the BST end user has flat-rated service.

-- Normal EO recordings appropriate to the type of service will be made.

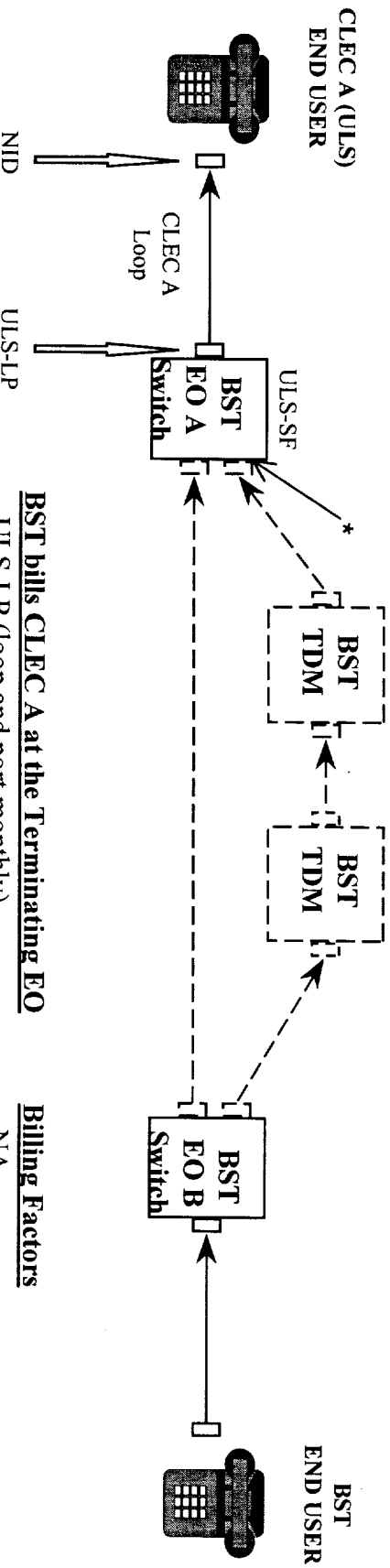
NOTE: Call code 006 records are related to ELCA plans.

\* indicates demarcation between UNE Network and other Networks

CLEC A does not charge BellSouth reciprocal compensation as the charges that UNE CLEC A may be entitled to charge BellSouth for terminating local switching would be the same as the charges BellSouth would charge UNE CLEC A for unbundled switching. Such charges would net to zero, since they are the same rate. Therefore, neither Party charges for the unbundled local switching functionality.

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 12. BST Network - Call terminating outside of the originating 7 & 10 digit dialing arrangement but within the lata (i.e. 1+ call) - Interoffice



### Billing Concept

-- Unbundled Network Elements

### Usage Recordings

-- Call Code 006/072 is made at the End

Office B. No tandem indicator, no access

time, no attempts. No term recording.

-- Normal EO recordings appropriate to the type of service will be made.

NOTE: Call code 006 records are related to ELCA plans.

\* indicates demarcation between UNE Network and other Networks

### BST bills CLEC A at the Terminating EO

-- ULS-LP (loop and port monthly)

-- ULS-SF (unbundled switching - terminating)

### Billing Factors

-- NA

### Record Exchange

BellSouth sends CLEC A ADUF 11-01-01, so the CLEC may be able to quantify end office usage. Terminating switched access charges shall not apply.

### Reciprocal Compensation:

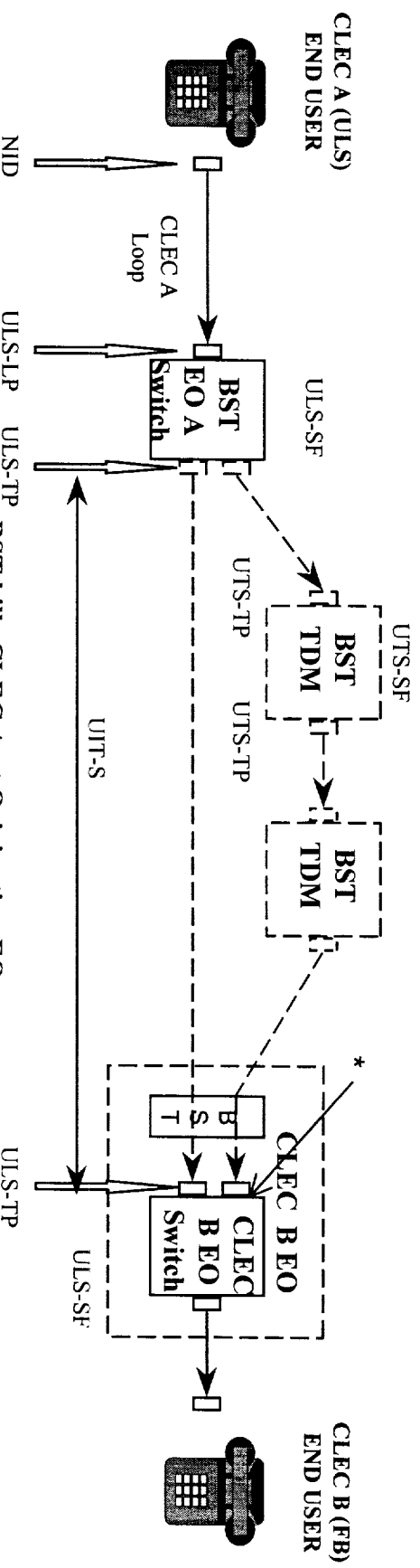
Currently, for this call flow CLEC A may bill BellSouth ULS-SF for end office switching at EO A. This is due to the fact that BellSouth's billing system currently bills ULS-SF to CLEC A at EO A. Because these rates are the same and the charges net to zero, BellSouth would normally not charge, but until BellSouth modifies its billing system to not charge CLEC A for ULS-SF, CLEC A may bill the equivalent charges back to BellSouth.

A terminating access (ADUF) record is provided as this is the only means available to provide CLEC A a way to quantify the terminating usage. However, access charges shall not be billed to BellSouth as BellSouth treats such calls that it terminates as Local calls and bills the originating ULS CLEC Unbundled Local Switching at the UNE rates and not terminating access.

**UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS**

**13. Multi-Network - Calling Within a 7 and 10 Digit Dialing Scope**

***Interoffice (ULS CLEC and FB-CLEC Networks)***



## Billing Concept

- Unbundled Network Elements
- Local Interconnection

## Usage Recordings

- Call Code 001/072 (NOT MB113) or Call Code 006/072 is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate

to the type of service will be made.

NOTE: Call code 006 records are related to ELCA plans.

\* indicates demarcation between UNE Network and other Networks

# BST bills CLECA at Originating EO

- ```
-- ULS-LP (loop and port monthly)
-- 2 ULS-SF (unbundled switching
originating and terminating, summarized at
EO A)
-- 2 ULS-TPs (end office trunk port)
-- UTT-S (unbundled transport - shared,
fixed and per mile, mileage from EO A to EO B)
-- UTS-SF (unbundled melded tandem switching)
-- 2 UTS-TPs (melded tandem trunk ports)
```

## Billing Factors

**BST provides CLEC B with PIU & PLU for Local Interconnection billing**

## Record Exchange

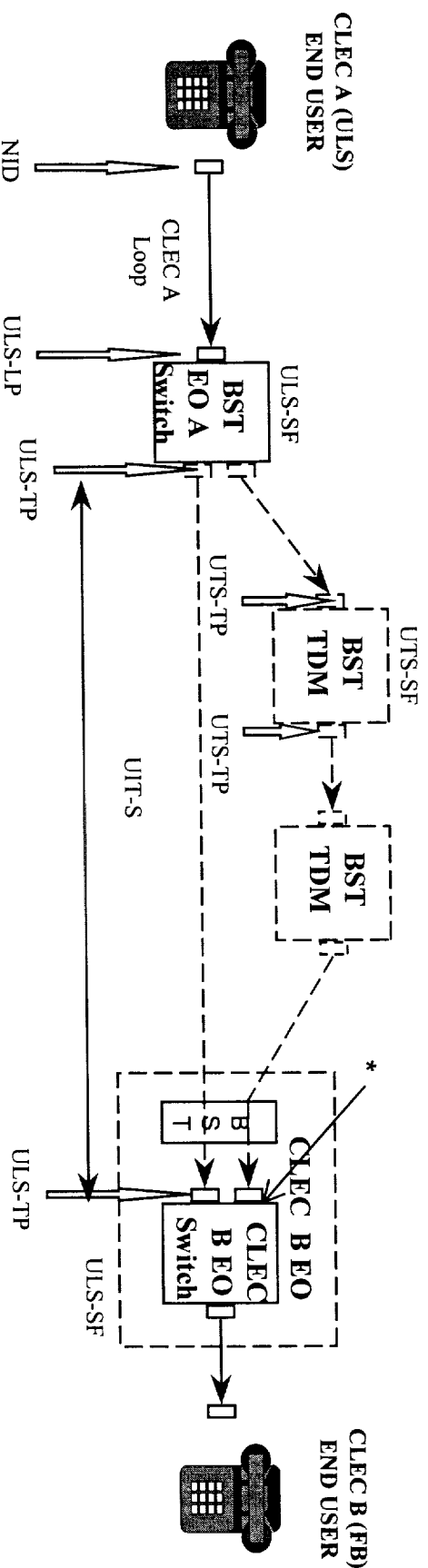
BellSouth sends CLEC A ODUF 10-01-31  
(See Local/Toll Exceptions)

## **FB CLEC B billing**

- The Industry has not established how CLEC B may Bill CLEC A for reciprocal compensation. In the interim, BST shall bill the terminating EO switching to CLEC A and pay Reciprocal compensation to CLEC B as such calls appear to be originated by BST end users.

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 14. Multi-Network – Call terminating outside of the originating 7 & 10 digit dialing arrangement but within the lata (i.e. 1+ call) - Interoffice



### Billing Concept

- Unbundled Network Elements
- Local Interconnection

### Usage Recordings

- Call Code 006 is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate to the type of service will be made.

\* indicates demarcation between UNE Network and other Networks

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)
- 2 ULS-TPs (end office trunk ports)
- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from EO A to EO B)
- UTS-SF (unbundled melded tandem switching)
- 2 UTS-TPs (melded tandem trunk ports)

### Billing Factors

- N/A

### Record Exchange

BellSouth sends CLEC A ODUF 10-01-01

### FB CLEC B Billing

- The Industry has not established how CLEC B may Bill CLEC A for reciprocal compensation. In the interim, BST shall bill the terminating EO switching to CLEC A and pay Reciprocal compensation to CLEC B as such calls appear to be originated by BST end users.

**Note:** CLEC A must LPIC BST in order for BellSouth to transport and terminate this call. Appropriate terms and conditions must be contained within the CLEC/BellSouth

Interconnection Agreement in order for BellSouth to provide this functionality to the CLEC.

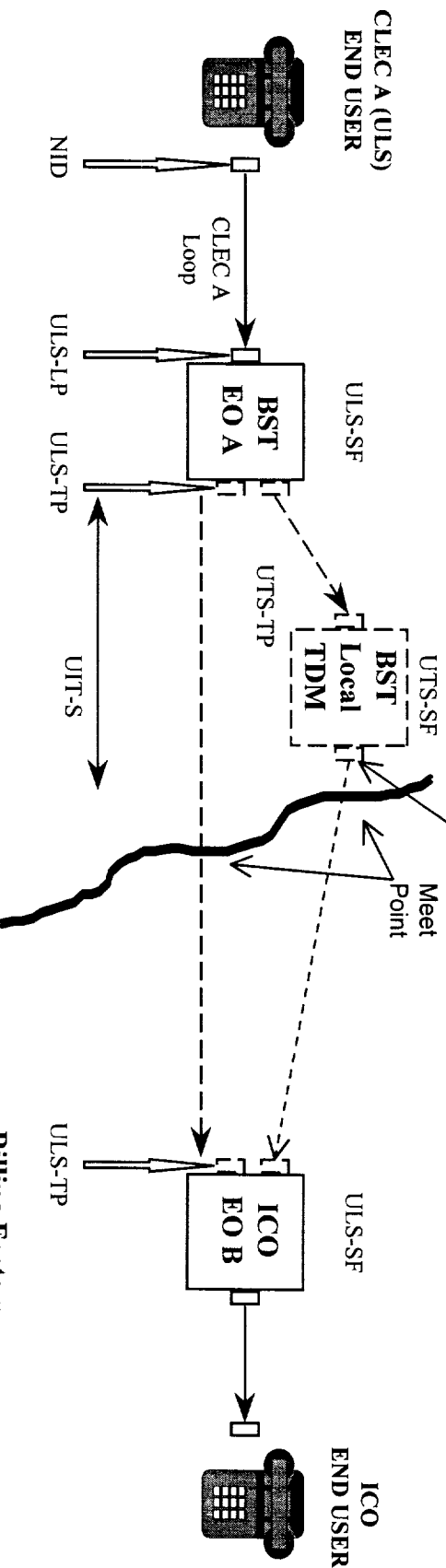
# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 15A. Multi-Network – Calling Within a 7 and 10 Digit Dialing Scope

### Interface



#### Billing Concept

- Unbundled Network Elements
- Interconnection

#### Usage Recordings

- Call Code 001/072 is made at originating End Office. (if direct routing exists, still use melded since 001 cannot indicate tandem vs. direct routing)

\* indicates demarcation between UNE Network and other Networks

#### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SF (unbundled switching originating, summarized at EO A)
- 1 ULS-TPs (end office trunk port)
- UIT-S (unbundled transport - shared, fixed and per mile, mileage from EO A to BST local tandem) Note: use default of 0 miles since do not know meet point, using mileage to local tandem, but since no mapping of EO to local tandems will now have default of 0 miles since EO & some local tandems are co-located)
- UTS-SF (unbundled melded tandem switching)
- 1 UTS-TPs (melded tandem trunk ports)

#### Billing Factors

-- NA

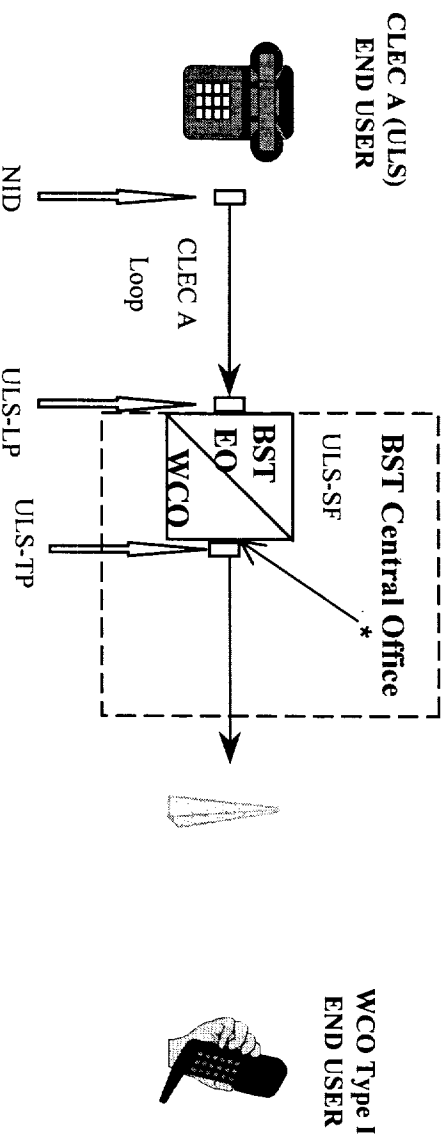
#### Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# **UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS** **17. BST-Network - Calling Within a 7 and 10 Digit Dialing Scope** ***Type I - Intraoffice/IntraSwitch***



## **Billing Concept**

- Unbundled Network Elements
- Interconnection

## **Usage Recordings**

- Call Code 001/072 is made at the End Office.

## **BST bills CLEC A**

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating)

## **WCO bills BST**

- Reciprocal compensation is not be billed to BST by the WCO.

## **Billing Factors**

- NA

## **Record Exchange**

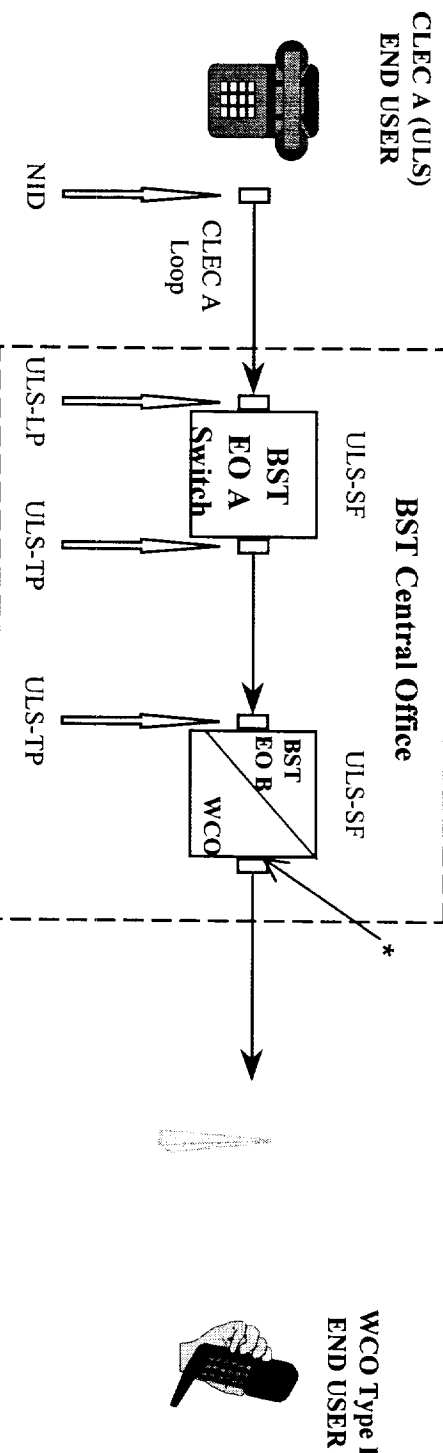
BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)  
 10-01-01 is sent to CLEC A if WCO  
 NPA-NXX is Land-to-Mobile

\* indicates demarcation between UNE Network and other Networks

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 17A. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

### Type I - Intraoffice/InterSwitch



#### Billing Concept

- Unbundled Network Elements

#### Usage Recordings

- Call Code 001/072 (NOT MBI13) is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate to the type of service will be made.

\* indicates demarcation between UNE Network and other Networks

#### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)
- 2 ULS-TPs (trunk ports)
- UITS (unbundled transport, fixed, mileage calculated from EO A to EO B) (zero transport miles)

#### WCO bills BST

- Reciprocal compensation is not be billed to BST by the WCO.

#### Billing Factors

- NA

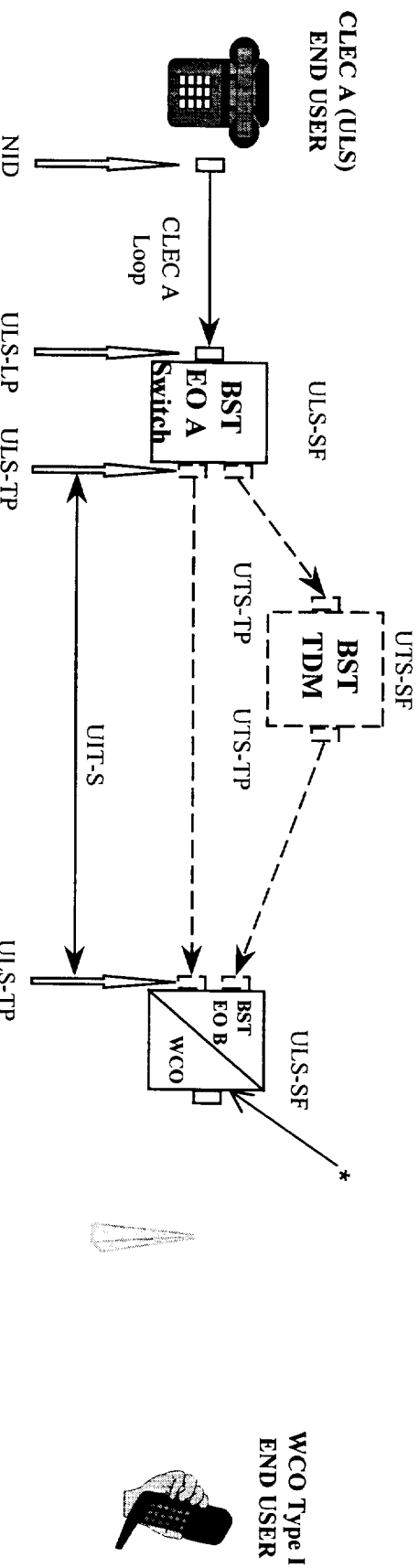
#### Record Exchange

- BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)
- 10-01-01 is sent to CLEC A if WCO NPA-NXX is Land-to-Mobile

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 18. BST-Network - Calling Within a 7 and 10 Digit Dialing Scope

### Type I Interface



#### Billing Concept

- Unbundled Network Elements
- WCO Interconnection

#### Usage Recordings

- Call Code 001/006/072 is made at originating End Office no tandem indicator

#### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled local switching - originating, summarized at originating EO A)
- 2 ULS-TP (end office trunk ports)
- UTS-S (unbundled transport - shared, fixed and per mile, mileage from EO A to EO B)
- UTS-SF (unbundled melded tandem switching)
- 2 UTS-TPs (melded tandem trunk ports)

#### Billing Factors

- NA

#### Record Exchange

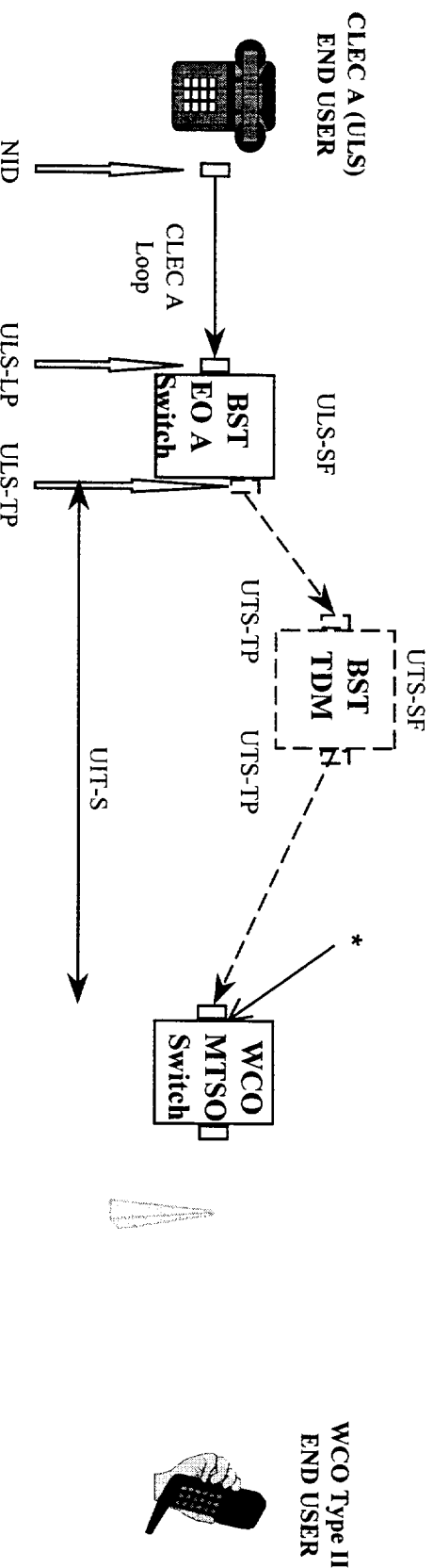
- BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)
- 10-01-01 is sent to CLEC A if WCO NPA-NXX is Land-to-Mobile

\* indicates demarcation between UNE Network and other Networks

#### WCO bills BST

- Reciprocal compensation is not be billed to BST by the WCO.

## 19. Multi-Network - Calling Within a 7 and 10 Digit Dialing Scope



## Billing Concept

- Unbundled Network Elements
- WCO Interconnection

## Usage Recordings

- Call Code 001/006/072 is made at originating End Office  
No tandem indicator but entire NPA/NNX is wireless in Type 2 and Type 2 connects only at tandems

## WCO bills BST

- Reciprocal compensation is not be billed to BST by the WCO.

## Billing Factors

- NA

## Record Exchange

BellSouth sends CLEC A ODUF 10-01-31  
(See Local/Toll Exceptions)

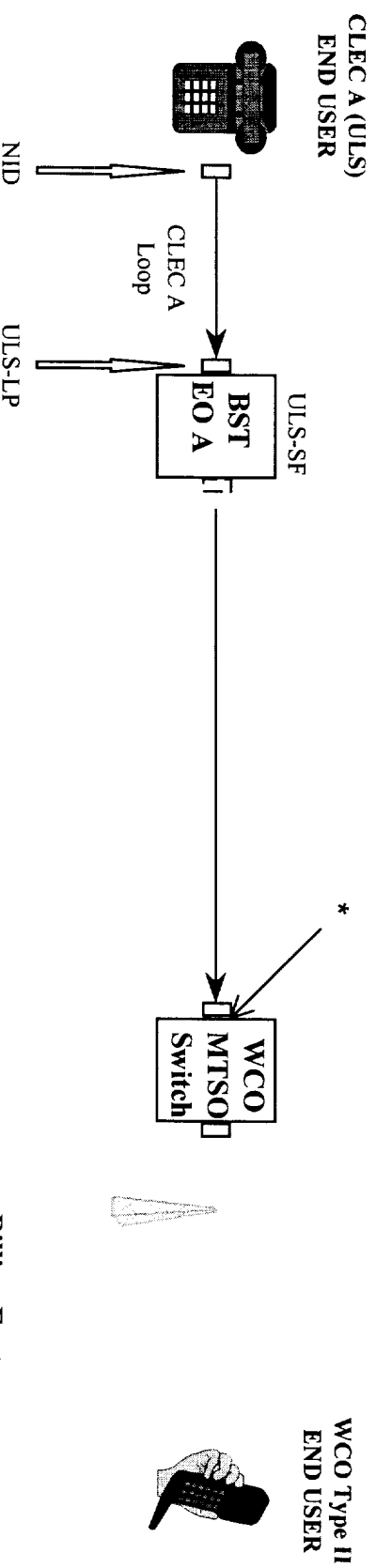
10-01-01 is sent to CLEC A if WCO

NPA-NXX is Land-to-Mobile

\* indicates demarcation between UNE Network and other Networks

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 19a. Multi-Network - Calling Within a 7 and 10 Digit Dialing Scope Type II-B



### Billing Concept

- Unbundled Network Elements
- WCO Interconnection - Type 2B where WCO purchases trunk from EOA to MTSO

### Usage Recordings

- Call Code 001/006/072 is made at originating End Office

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled local switching - originating)

### WCO bills BST

- Reciprocal compensation is not be billed to BST by the WCO.

### Billing Factors

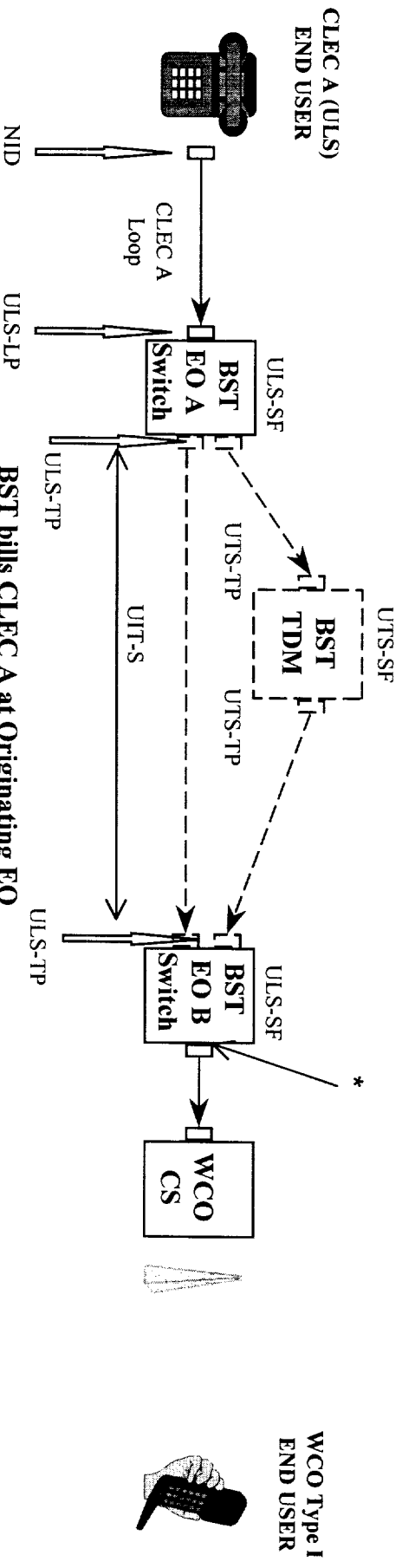
- NA

### Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)  
10-01-01 is sent to CLEC A if WCO  
NPA-NXX is Land-to-Mobile

\* indicates demarcation between UNE Network and other Networks

**20. Multi-Network - Call terminating outside of the originating 7 & 10 digit dialing arrangement but within the lata (i.e. 1+ call) - Interoffice - Type I**



## -- Unbundled Network Elements

- ## -- WCO Interconnection

-- Call Code 006 is made at  
originating End Office A

\* indicates demarcation between UNE Network and other Networks

## -- ULS-LP (loop and port monthly)

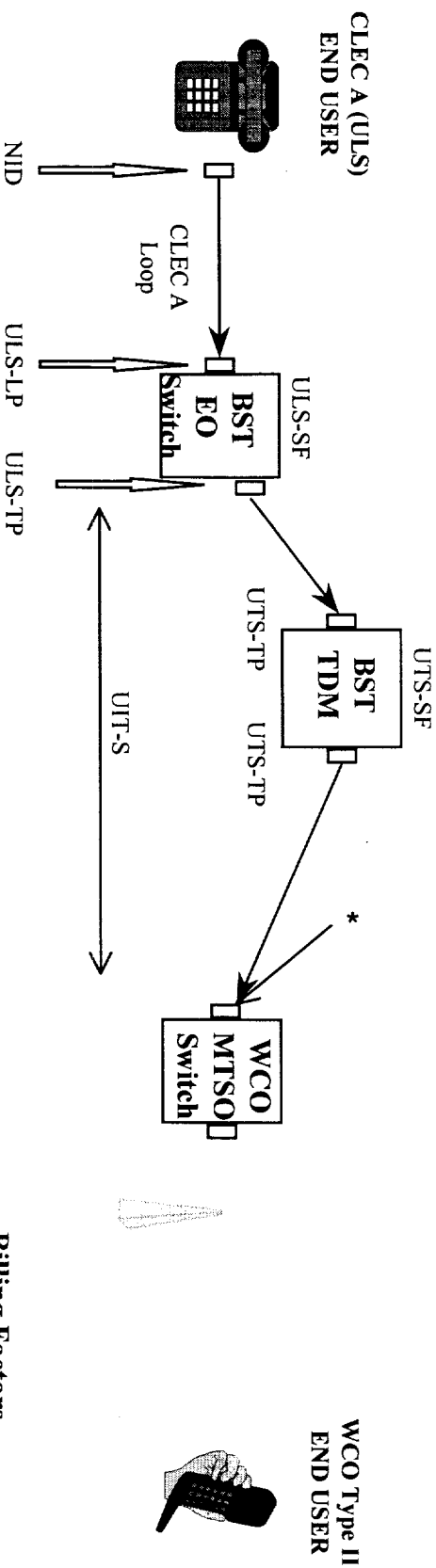
- ```
--2 ULS-SFs (unbundled local switching -
    originating, summarized at originating EO A)
--2 ULS-TP (end office trunk ports)
-- UTS-S (unbundled transport - shared,
    fixed and per mile, mileage from EO A to EO B)
-- UTS-SF (unbundled melded tandem switching)
--2 UTS-TPs (melded tandem trunk ports)
```

-- Reciprocal Compensation is not be billed

**Note:** CLEC A must LPIC BST in order for BellSouth to transport and terminate this call. Appropriate terms and conditions must be contained within the CLEC/BellSouth Interconnection Agreement in order for BellSouth to provide this functionality to the CLEC.

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 21. Multi-Network - Call terminating outside of the originating 7 & 10 digit dialing arrangement but within the lata (i.e. 1+ call) – Interoffice - Type II-A



### Billing Concept

- Unbundled Network Elements
- WCO Interconnection

### Usage Recordings

- Call Code 006 is made at originating End Office (can involve multiple tandems)
- non-BST UNE originated TNs should be excluded from Land-to-Mobilescreening for reverse billing retail service
- Entire NPA/NNX is wireless for Type 2, which only connects at tandems

### BST bills CLEC A at originating EO

- ULS-LP (loop and port monthly recurring)
- 1 ULS-SFs (unbundled local switching - originating)
- 1 ULS-TPs (end office trunk ports)
- UIT-S (unbundled transport - shared, fixed and per mile, mileage from EO A to MTSO)
- UTS-SF (full rate unbundled tandem switching)
- 2 UTS-TPs (full rate tandem trunk ports)

### Billing Factors

- NA

### Record Exchange

BellSouth sends CLEC A  
ODUF 10-01-01

\* indicates demarcation between UNE  
Network and other Networks

### WCO bills BST

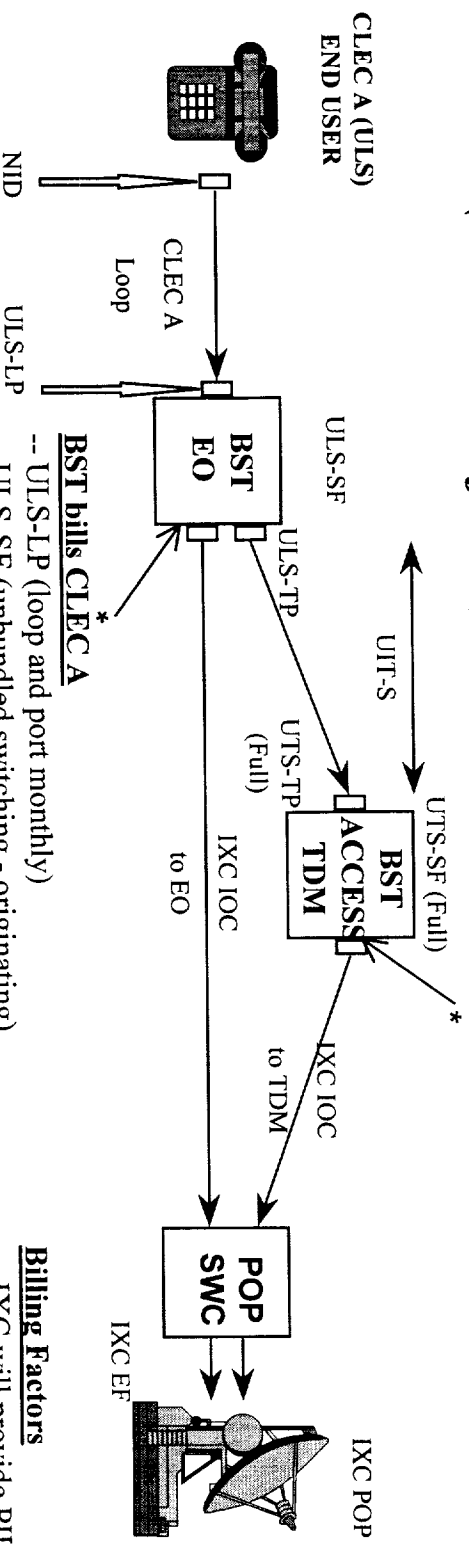
- Local Interconnection is not to be billed to BST by the WCO

**Note:** CLEC A must LPICT BST in order for BellSouth to transport and terminate this call. Appropriate terms and conditions must be contained within the CLEC/BellSouth Interconnection Agreement in order for BellSouth to provide this functionality to the CLEC

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 22. INTERSTATE / INTRASTATE ACCESS CALLING

### (Access Reform) Multi-Network Interoffice



#### Billing Concept

- Access Reform
- Unbundled Network Elements
- Note that this call flow applies to intralata toll with non-BST LPIC

#### Usage Recordings

- Call Code 110/117 on FGD
- Call Code 134 on FGB

#### BST bills CLEC A

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled switching - originating)
- Charges below apply if IXC tandem routed
- ULS-TP (end office trunk ports)
- UIT-S (unbundled transport - shared, mileage from BST EO and BST AT, fixed and per mile)
- UTS-TP (unbundled full rate tandem trunk ports)
- UTS-SF (unbundled full rate tandem switching)

#### CLEC A bills IXC

- Originating Access as agreed upon between CLEC A & IXC

#### BST bills IXC

- Dedicated Switched Local Channel (Entrance Facility)
- Dedicated Switched Transport (between POP SWC and UNE CLEC EO) if direct routed, dedicated transport (between POP SWC and Access Tandem) if tandem routed)

#### Billing Factors

- IXC will provide PIUs to BST and CLEC A

#### Record Exchange

BellSouth sends CLEC A ADUF Originating 11-01-01

#### Demarcation Point between UNE

##### Network and IXC Network

Access Tandem Switch if tandem  
Terminating End office Switch  
(trunk side) if direct

\* indicates demarcation between UNE  
Network and other Networks

# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# **UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS**

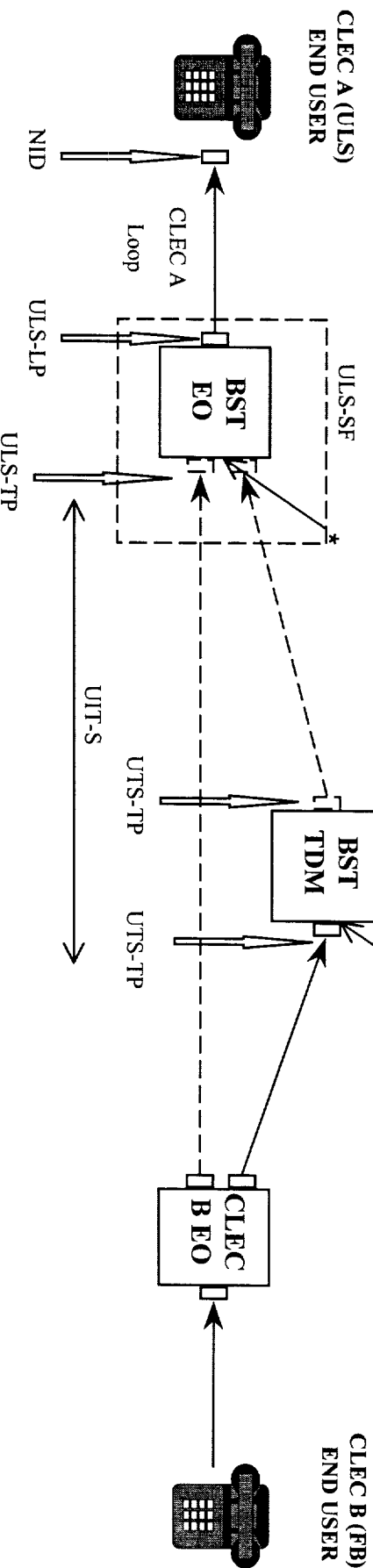
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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 26. Multi-Network – Local Calling - Interoffice



### Billing Concept

-- Local Interconnection

### Usage Recordings

-- Call Code 119, 066, or 720

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled local switching - terminating) IF tandem routed (local or access)
- ULS-TP (unbundled end office trunk ports)
- UTS-S (unbundled transport - shared between BST EO and BST AT or local tandem, fixed and per mile, mileage from BST AT associated with CLEC B EO to BST EO)
- UTS-TP (unbundled full rate tandem trunk port)
- UTS-SF (unbundled full rate tandem switching)

### CLEC A bills CLEC B

- Local Interconnection / charges per agreement

### Billing Factors

-- CLEC B provides CLEC A a PIU & PLU

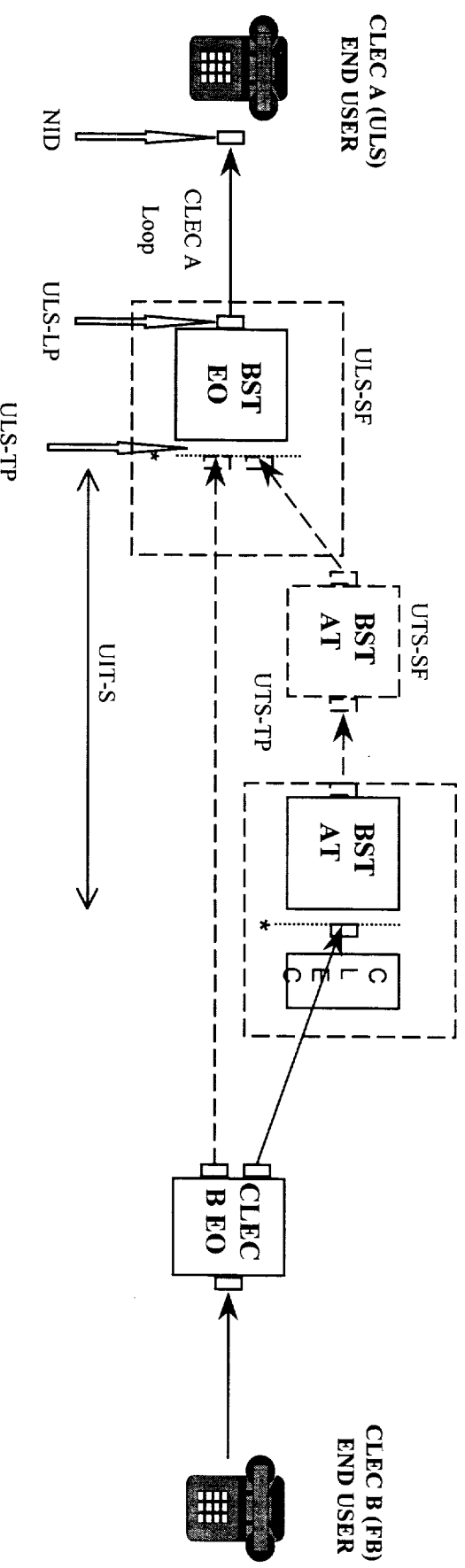
### Record Exchange

BellSouth sends CLEC A  
ADUF Terminating 11-01-01

\* indicates demarcation between UNE  
Network and other Networks

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 27. Multi-Network - Intralata Toll Calling - Interoffice



### Billing Concept

-- Local Interconnection

### Usage Recordings

-- Call Code 119, 066, or 720

\* indicates demarcation between UNE Network and other Networks

### BST bills UNE CLEC A

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled local switching - terminating) IF tandem routed
- ULS-TP (unbundled end office trunk ports)
- UTS-S (unbundled transport - shared between BST EO and BST AT, fixed and per mile, mileage from BST AT associated with CLEC B EO to BST EO)
- UTS-TP (unbundled full rate tandem trunk port)
- UTS-SF (unbundled full rate tandem switching)

### CLEC A bills CLEC B

- Access as agreed upon between CLEC A and CLEC B

### Billing Factors

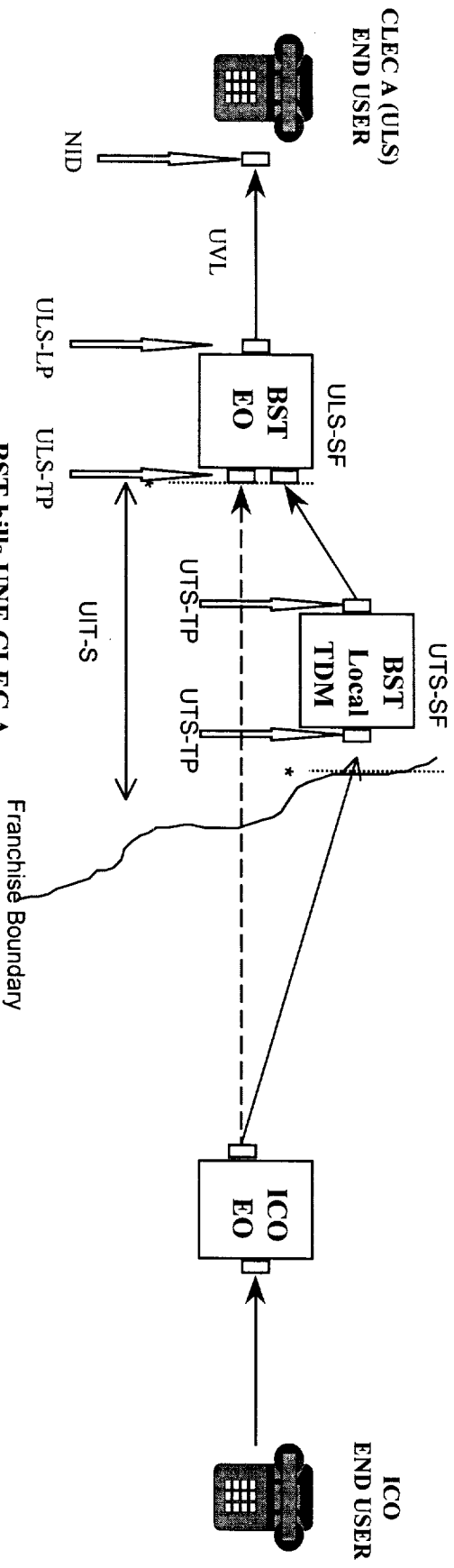
- FB CLEC B provides PTU and PLU to CLEC A

### Record Exchange

- BellSouth sends CLEC A
- ADUF Terminating 11-01-01

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 28. Multi-Network – Local Calling - Interoffice



### Billing Concept

- Unbundled Network Elements
- Interconnection

### Usage Recordings

- Call Code 720 (from BST Local Tandem) or NA\* (CC720 has tandem indicator (drop any interlata calls since there is also a CC119 which is used to bill))

### BST bills UNE CLEC A

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled local switching - terminating) IF tandem routed (local or access)
- ULS-TP (unbundled end office trunk ports)
- UTS-S (unbundled transport - shared between BST EO and BST Tandem, fixed and per mile, mileage from BST Tandem to BST EO)
- 2 UTS-TP (unbundled full rate tandem trunk port)
- UTS-SF (unbundled full rate tandem switching)

### Billing Factors

- N/A

### Record Exchange

- BellSouth sends CLEC A ADUF Terminating 11-01-01 (CIC of 000 should be in this record)

### CLEC A may bill ICO

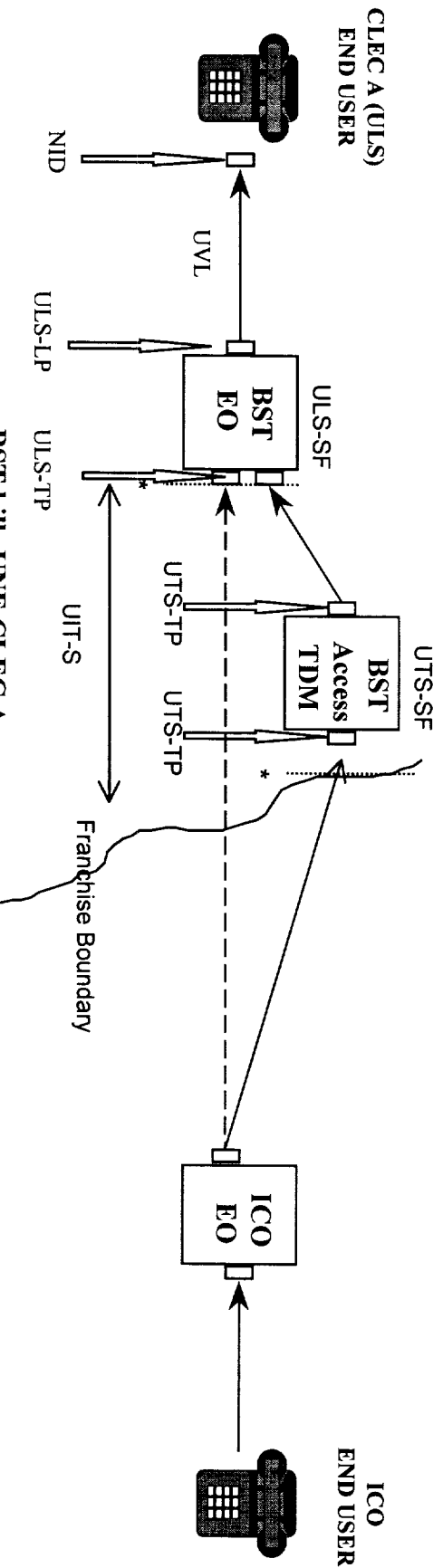
- Local Interconnection charges per agreement.

\* indicates demarcation between UNE Network and other Networks

## UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

### 29. Multi-Network IntraLATA Toll Calling

# Interoffice



## Billing Concept

- ```
-- Unbundled Network Elements
-- Interconnection
```

## Usage Recordings

- Call Code 720 (from BST Access Tandem) or NA\*  
(CC720 made even if pre-subscribed LPIC - any interlata CC720 is dropped since assume CC119 used to bill)

**BST bills UNE CLECA**

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled local switching - terminating)

## IF tandem routed

- ULS-TP (unbundled end office trunk ports)
- UIT-S (unbundled transport - shared between BST EO and BST Access Tandem, fixed and per mile, mileage from BST Access Tandem to BST EO)
- 2 UTS-TP (unbundled full rate tandem trunk port)
- UTS-SF (unbundled full rate tandem switching)

**BST/ICO Settlements apply**

ICO puts call into settlements process - can be PCP/ORP Plans

**CLEC A may bill ICO**

- Local Interconnection charges per agreement.

## **Billing Factors**

- :- N/A

## Record Exchange

BellSouth sends CLEC A  
ADUF Terminating 11-01-01  
(CIC of 0000 should  
be in this record)

\* indicates demarcation between UNE Network and other Networks

# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# **UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS**

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# **UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS**

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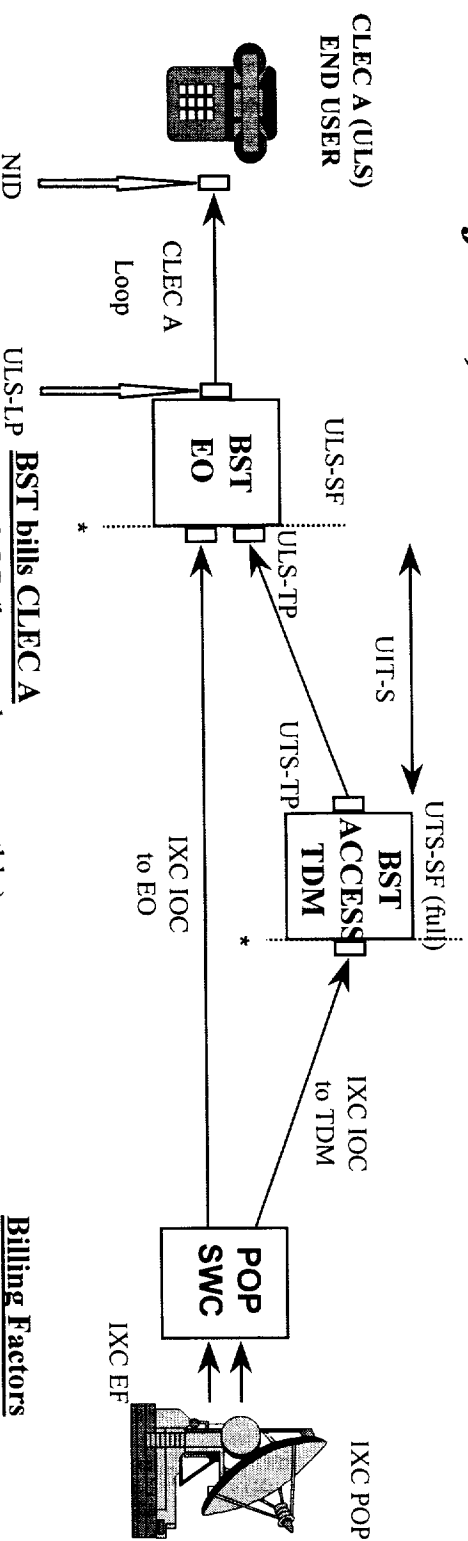
# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 33. INTERSTATE / INTRASTATE ACCESS CALLING

(Access Reform)

Multi-Network Interoffice

Revised 09/21/99



### Billing Concept

- Unbundled Network Elements
- Access Reform

### Usage Recordings

- Call Code 119 on FG D
- Call Code 135 on FG B

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled switching - terminating EO)
- Charges below apply if IXC tandem routed
- ULS-TP (end office trunk port)
- UTS-S (unbundled transport - shared, mileage from BST EO and BST AT)
- UTS-TP (Full Tandem trunk Port)
- UTS-SF (unbundled full tandem switching)
- CLEC A may bill IXC**
- Terminating Access as agreed upon between CLEC A & IXC

### BST bills IXC

- BST portion of dedicated switched transport from IXC POP to BST AT if tandem-routed or BST portion of dedicated transport from IXC POP to CLEC EO if direct

### Billing Factors

- IXC must provide terminating PUs and possibly PLU to BST and CLEC A

### Record Exchange

- BellSouth sends CLEC A
- ADUF Terminating 11-01-01

\* indicates demarcation between UNE Network and other Networks

# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

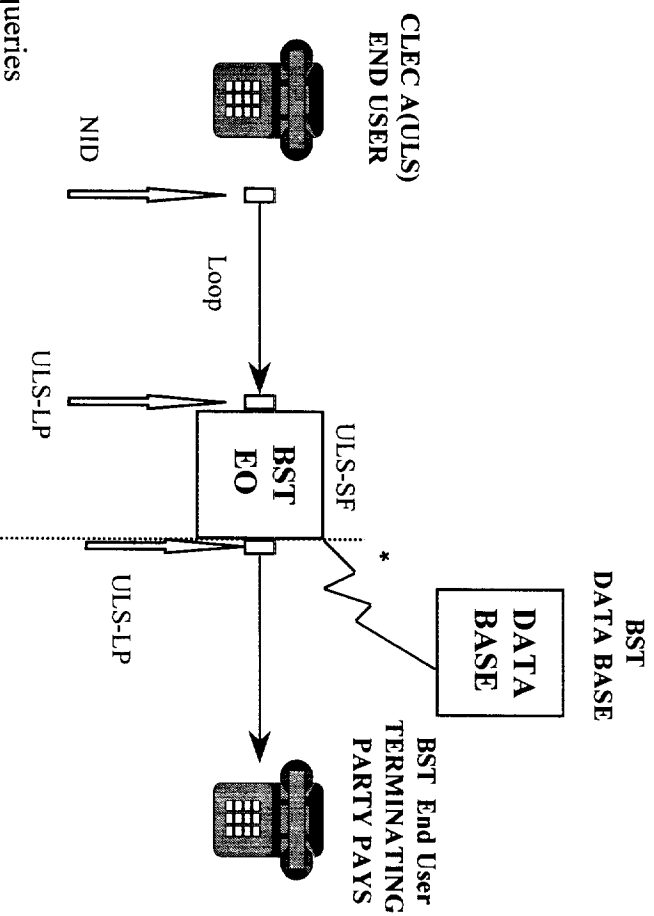
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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 37. BST Network Intralata 800 - Intraoffice/Intraswitch



### Billing Concept

- End office capable of data base queries
- Unbundled Network Elements
- Terminating Party Pays Services (Includes 800 Services)

### Usage Recordings

- Call Code 142 for 800 is made at the End Office (no tandem indicator)

### BST bills CLEC A

- ULS-LP (Loop and port monthly)
- ULS-SF (unbundled local switching - originating)
- 800 Data Base Dip

### BST bills BST 800 Number

- CRIS bills Terminating Party Pays

### CLEC A may bill BST

- Originating Access (LT, EO, CCL)
- 800 Data Base Dip

### Billing Factors

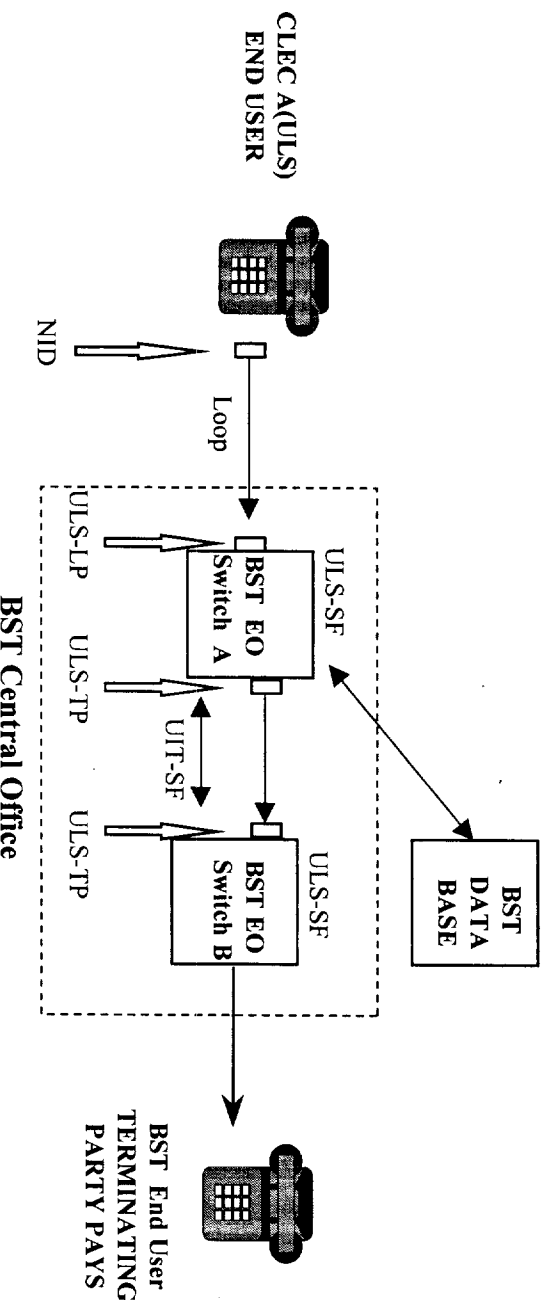
- N/A

### Record Exchange

BellSouth sends CLEC A  
ADUF 11-01-25  
(CIC of 5124)

\* indicates demarcation between UNE  
Network and other Networks

# **UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS** **37a. BST Network Intralata 800 - Intraoffice/Interswitch**



## **Billing Concept**

- End office capable of data base queries
- Unbundled Network Elements
- Terminating Party Pays Services (Includes 800 Services)

## **Usage Recordings**

- Call Code 142 for 800 is made at the End Office (no tandem indicator)

## **BST bills CLEC A**

- ULS-LP (Loop and port monthly)
  - 1 ULS-SF (unbundled local switching - originating)
  - 1 ULS-TPs (end office trunk ports)
  - UTS-S (unbundled transport - shared, fixed and per mile, mileage from Switch A to Switch B - zero transport miles)
  - 800 Data Base Dip
- BST bills BST 800 Number**
- CRIS bills Terminating Party Pays
- CLEC A may bill BST**
- Originating Access (LT, EO, CCL)
  - 800 Data Base Dip

## **Billing Factors**

- N/A

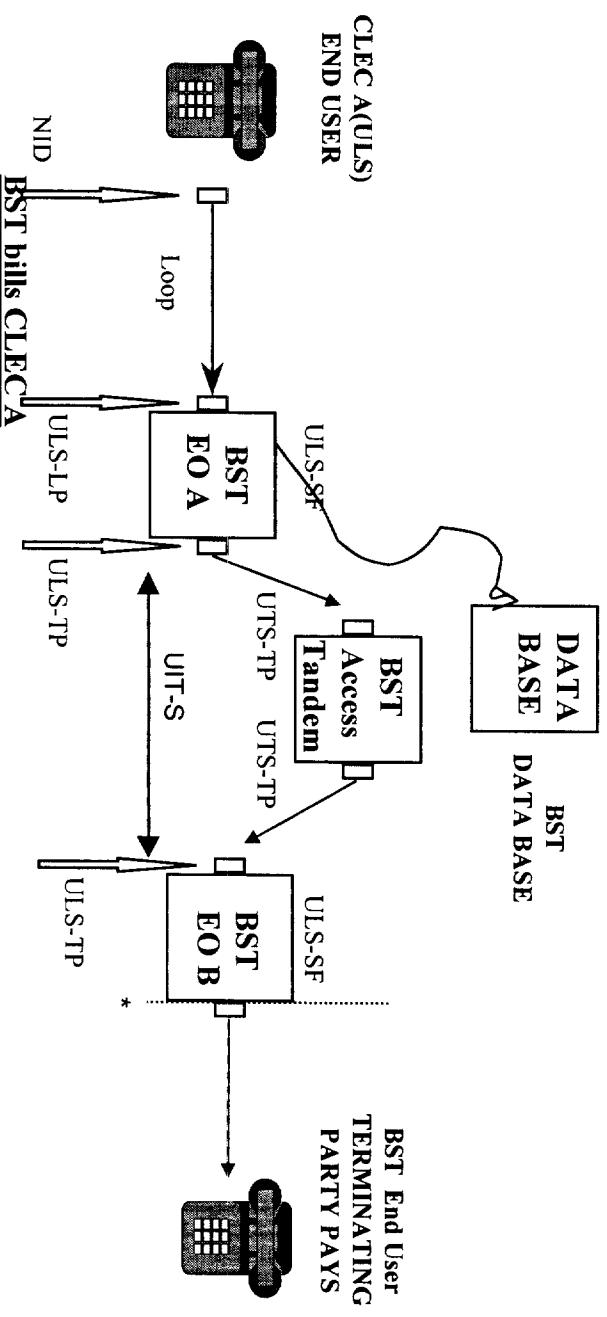
## **Record Exchange**

BellSouth sends CLEC A  
ADUF 11-01-25  
(CIC of 5124)

\* indicates demarcation between UNE  
Network and other Networks

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 38. BST Network Intralata 800 - Interoffice



### Billing Concept

- capable of data base queries
- Unbundled Network Elements
- Terminating Party Pays Services (Includes 800 Services)

### Usage Recordings

- Call Code 142 for 800 is made at the End Office (no tandem indicator)

- BST bills CLECA**
  - ULS-LP (Loop and port monthly)
  - 1 ULS-SF (unbundled local switching originating summarized at originating EO A)
  - UTS-S (unbundled shared transport, fixed & per mile, mileage from BST EO A to BST EO B)
  - 1 ULS-TP (end office trunk port)
  - UTS-SF (melded tandem switching)
  - 2 UTS-TP (melded tandem trunk ports)
  - 800 Data Base Dip
- BST bills BST 800 Number**
  - CRIS bills Terminating Party Pays
- CLECA may bill BST**
  - Originating Access (LT, EO, CCL)
  - 800 Data Base Dip

### Billing Factors

-- N/A

### Record Exchange

BellSouth sends CLECA  
ADUF 11-01-25  
(CIC of 5124)

\* indicates demarcation between UNE  
Network and other Networks



# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# **UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS**

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORTLOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

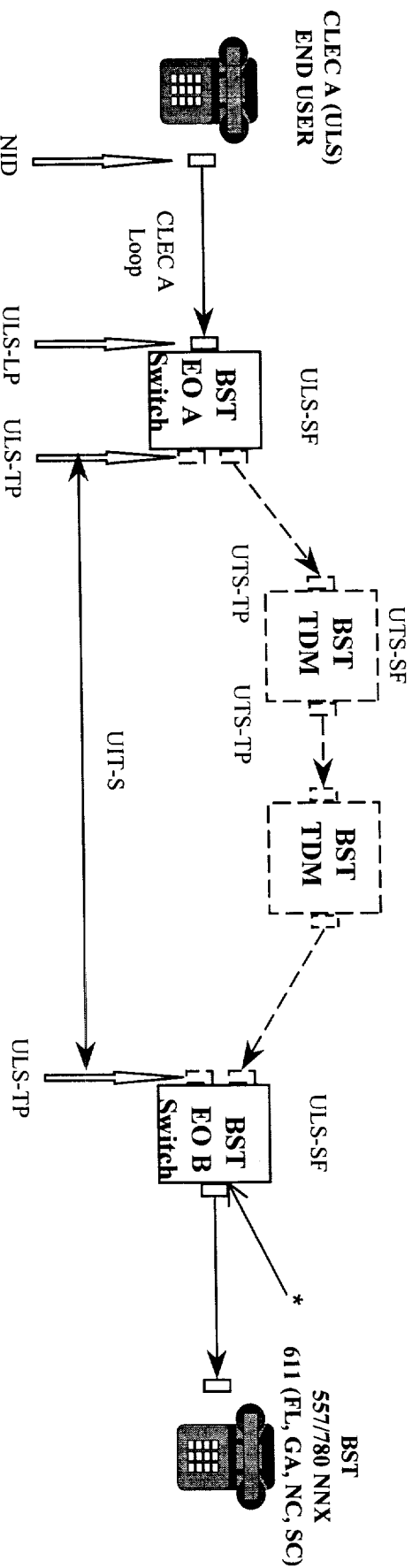
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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 49. BST Network - Interoffice Terminating to BST Official Telephone Numbers



### Billing Concept

- Unbundled Network Elements
- Calls to BST Repair are to 557/780

### Usage Recordings

- Call Code 001, 006, 072 (005 in 1AESS) is made at the End Office.

No tandem indicator, no access time, no attempts. It does not matter whether the call is local or intralata toll.

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SF (unbundled local switching, originating and terminating, summarized at originating EO A )
- 2 ULS-TP (end office ports)
- UTS-S unbundled transport - shared, fixed and per mile)
- UTS-SF (unbundled full tandem switching)
- 2 UTS-TP (full tandem trunk ports)

### Billing Factors

- NA

### Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-31 or 10-01-01 (see Local Toll Exceptions)
- (See exception in note 1)

\* indicates demarcation between UNE Network and other Networks

Note 1: For 611 calls originating from a Siemen's EWSD switch and if CLEC A has not subscribed to Selective Call Routing via the AIN Platform, BellSouth currently does not have the capability to bill UNE usage elements nor provide DUF records.

Note 2: use end office and tandem V&H coordinates for mileage since these calls may be routed interstate over corporate Network.

# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

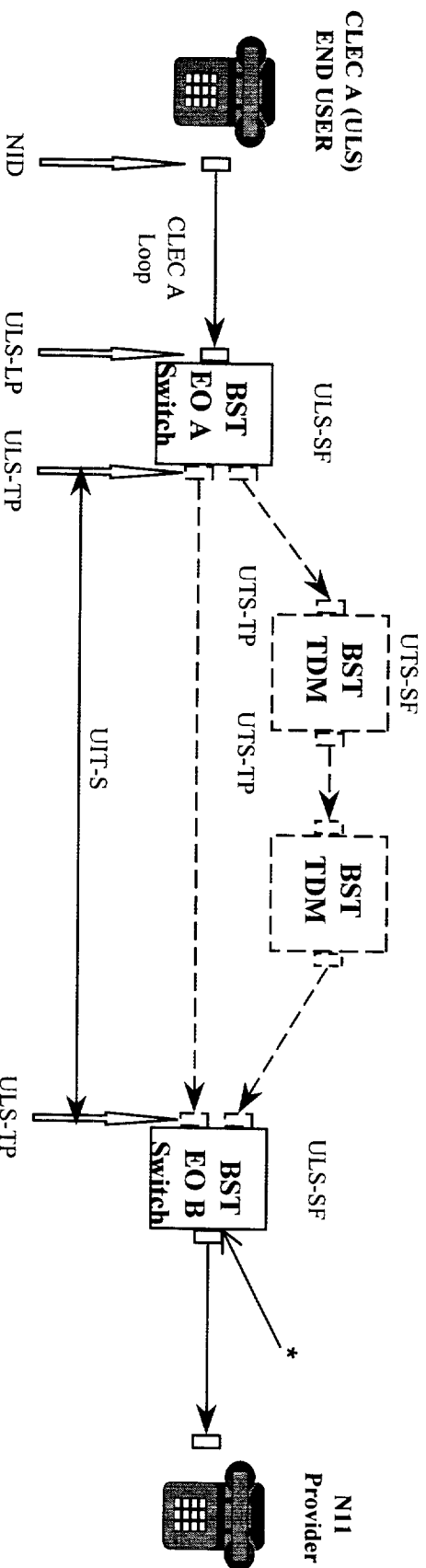
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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 52. BST Network - N11 Calling – Interoffice (excluding 611 in FL, GA, NC and SC)



### Billing Concept

-- Unbundled Network Elements

### Usage Recordings

-- Call Code 001 (NOT MB113) or

Call Code 006/072 is made at the End Office.

No tandem indicator, no access time, no attempts. No terminating recording.

-- Normal EO recordings appropriate to the type of service will be made.

NOTE: Call code 006 records are related to ELCA plans.

### BST bills CLEC A

-- ULS-LP (loop and port monthly)

-- 1 ULS-SFs (unbundled switching - originating summarized at originating EO A)

### Billing Factors

-- NA

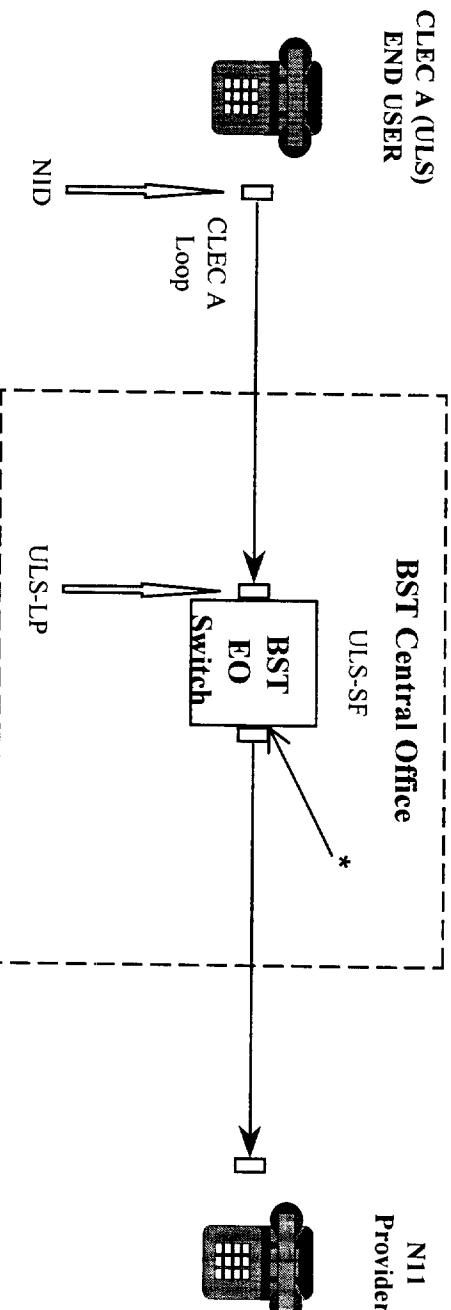
### Record Exchange

BellSouth sends CLEC A

ODUF 10-01-18

\* indicates demarcation between UNE Network and other Networks

# **UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS** **52A. BST Network - N11 Calling - Intraoffice/Intrawitch** *(excluding 611 in FL, GA, NC and SC)*



### **Billing Concept**

-- Unbundled Network Elements

### **Usage Recordings**

- Call Code 001/072 (NOT MBI13) is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate to the type of service will be made.

\* indicates demarcation between UNE Network and other Networks

### **BST bills CLEC A**

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled switching)

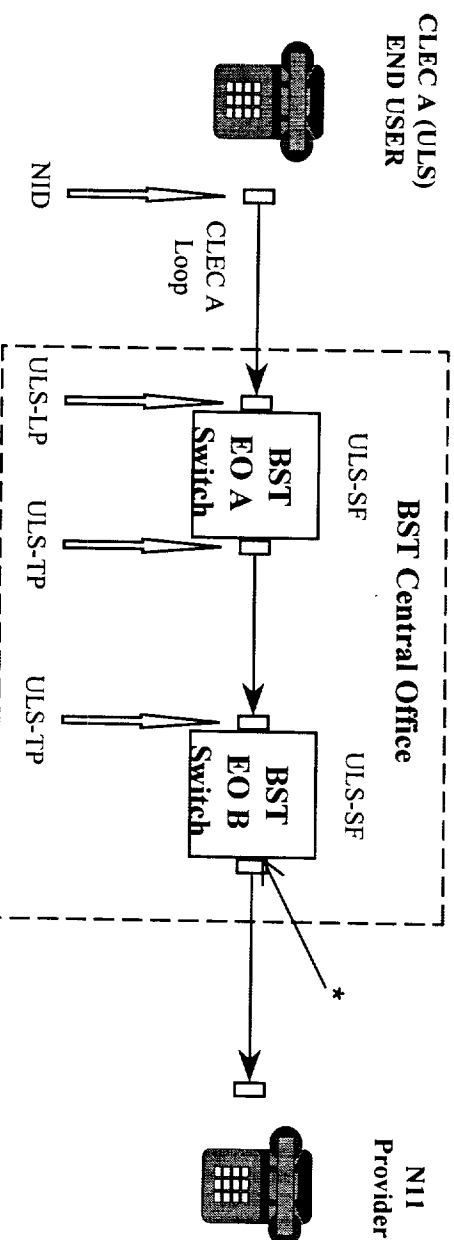
### **Billing Factors**

-- NA

### **Record Exchange**

BellSouth sends CLEC A  
ODUF 10-01-18

# **UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS** **52B. BST Network - N11 - Intraoffice/Interswitch** *(excluding 611 in FL, GA, NC and SC)*



## **Billing Concept**

-- Unbundled Network Elements

## **Usage Recordings**

- Call Code 001/072 (NOT MBI13) is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate to the type of service will be made.

## **BST bills CLEC A**

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A)

## **Billing Factors**

-- NA

## **Record Exchange**

BellSouth sends CLEC A  
ODUF 10-01-18

\* indicates demarcation between UNE  
Network and other Networks

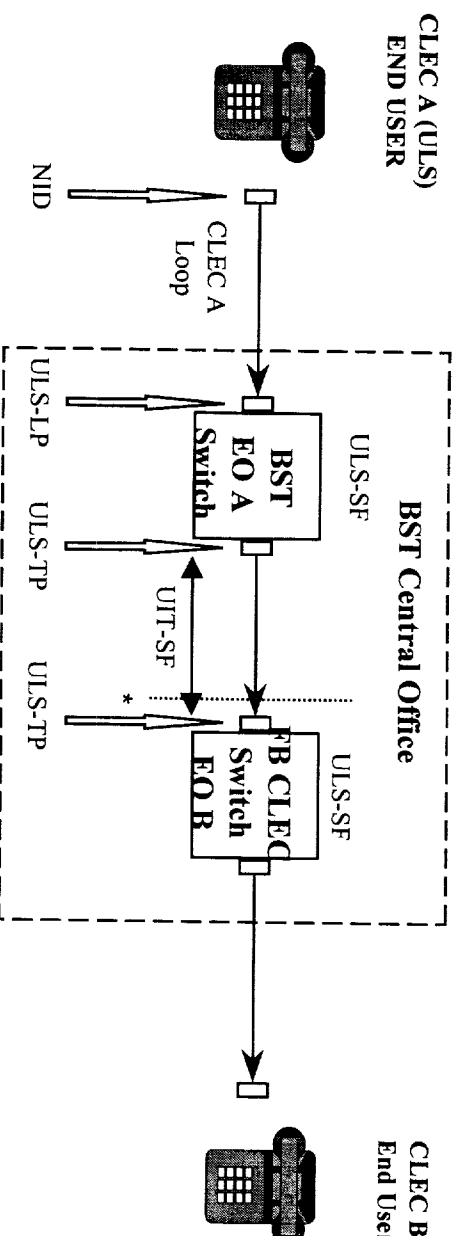
# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 54. Multi-Network – Calling Within a 7 and 10 Digit Dialing Scope

### *Intraoffice/Inter-switch FB CLEC Switch Co-located in BST CO*



#### **Billing Concept**

- Unbundled Network Elements
- Assume 1st 8 characters of FB CLEC CLLI code are same as BST EO A

#### **Usage Recordings**

- Call Code 001 (NOT MBI13)/CC006/CC072 is made at the End Office A. No tandem indicator, no access time, no attempts. No term recording.

\* indicates demarcation between UNE Network and other Networks

#### **BST bills CLEC A**

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating, summarized at originating & terminating EO A)
- 2 ULS-TPs (trunk ports)
- UTS-S (unbundled transport, fixed, mileage calculated from EO A to EO B) (zero transport miles since V&H's for EO A and B are the same )

#### **Billing Factors**

- NA

#### **Record Exchange**

- BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

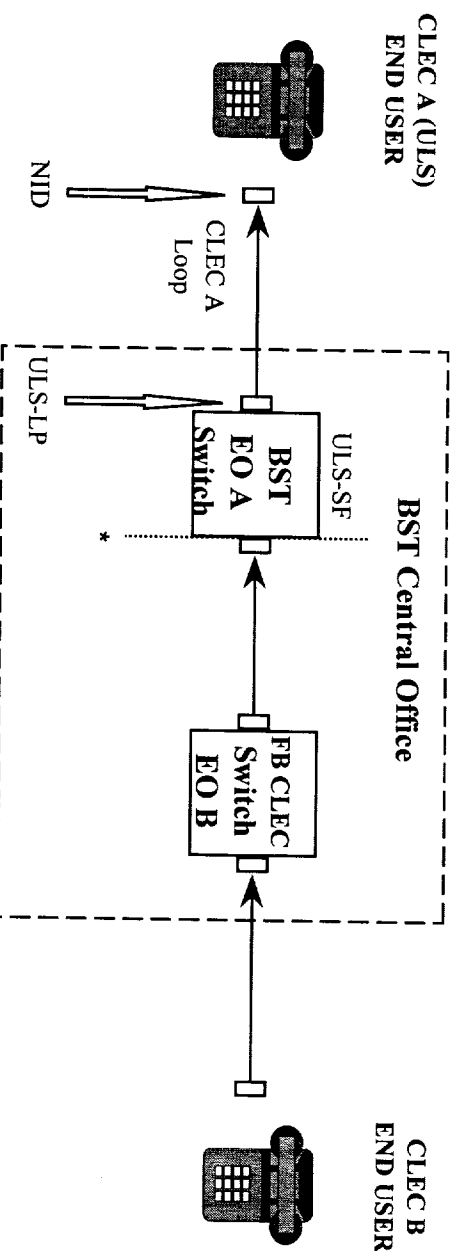
#### **FB CLEC B Billing**

- The Industry has not established how CLEC B may Bill CLEC A for reciprocal compensation. In the interim, BST shall bill the terminating EO switching to CLEC A and pay Reciprocal compensation to CLEC B as such calls appear to be originated by BST end users.

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 55. Multi-Network LOCAL CALLING

### *Intraoffice/Interswitch FB CLEC Switch Co-located in BST CO*



#### Billing Concept

-- Unbundled Network Elements

#### Usage Recordings

-- Call Code 119, 720 made at End Office A.

#### BST bills CLEC A

-- ULS-LP (loop and port monthly)

-- ULS-SF (unbundled local switching - terminating)

#### CLEC A bills CLEC B

-- Local Interconnection / charges per agreement (recovers cost for ULS-SF)

#### Billing Factors

-- NA

#### Record Exchange

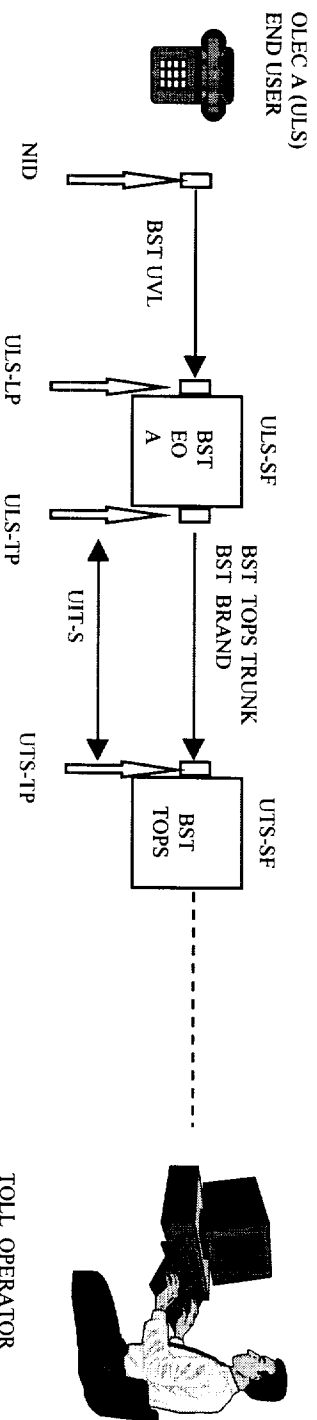
BellSouth sends CLEC A

ADUF Terminating 11-01-01

\* indicates demarcation between UNE Network and other Networks

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 01. OPERATOR CALL PROCESSING - NO ATTEMPT - BST BRAND OR UNBRANDED ZERO MINUS



### Billing Concept

- Unbundled Network Elements

### Usage Recordings

- Call Code 196 made at the TOPS (no attempts) (use elapsed time)
- Call Code 189(non-billable)
- Call Code 192 (DA charges/credits)

Query Operator only -  
Call is NOT outpulsed  
Operator Call Handling  
NOT subsequent to DA

### BST bills CLECA

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A)
- 1 ULS-TPs (end office trunk port)
- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST EO to TOPS)
- 1 UTS-TP (tandem trunk port - full)
- 1 UTS-SF (unbundled tandem switching - full)
- Per call/minute operator charges per CLEC contract
- DA charges/credits (CC 192)

### Billing Factors

- NA

### Record Exchange

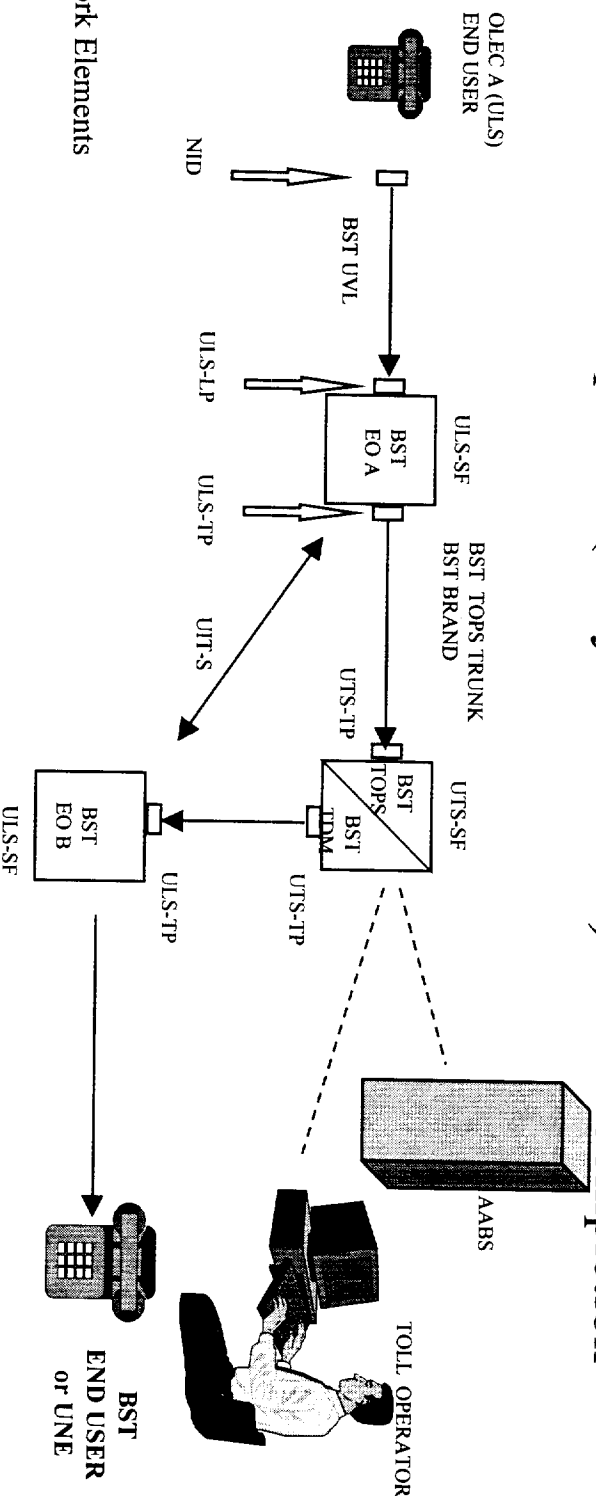
BellSouth sends CLECA  
ODUF 10-01-01

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 02. OPERATOR CALL PROCESSING - BST BRAND OR UNBRANDED

### ZERO MINUS or ZERO PLUS

### Incomplete Call Completion (Busy/No Answer) or Call Completion



### Billing Concept

- Unbundled Network Elements

### Usage Recordings

- Call Code 192 made at the TOPS TOPS functions like tandem, but no tandem indicator in call detail (use elapsed time)
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

CLEC end user dials 0 - BST Operator dials terminating number and handles billing or CLEC end user dials 0+ terminating number Operator Call Handling NOT subsequent to DA Operator Call Handling - Incomplete Call Completion or call completed

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)
- 2 ULS-TPs (end office trunk ports)
- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST EO A to BST EO B)
- 2 UTS-TPs (unbundled full tandem trunk ports)
- UTS-SF (unbundled full tandem switching)
- Per call/minute operator charges per CLEC contract
- DA charges/credits (CC 192)

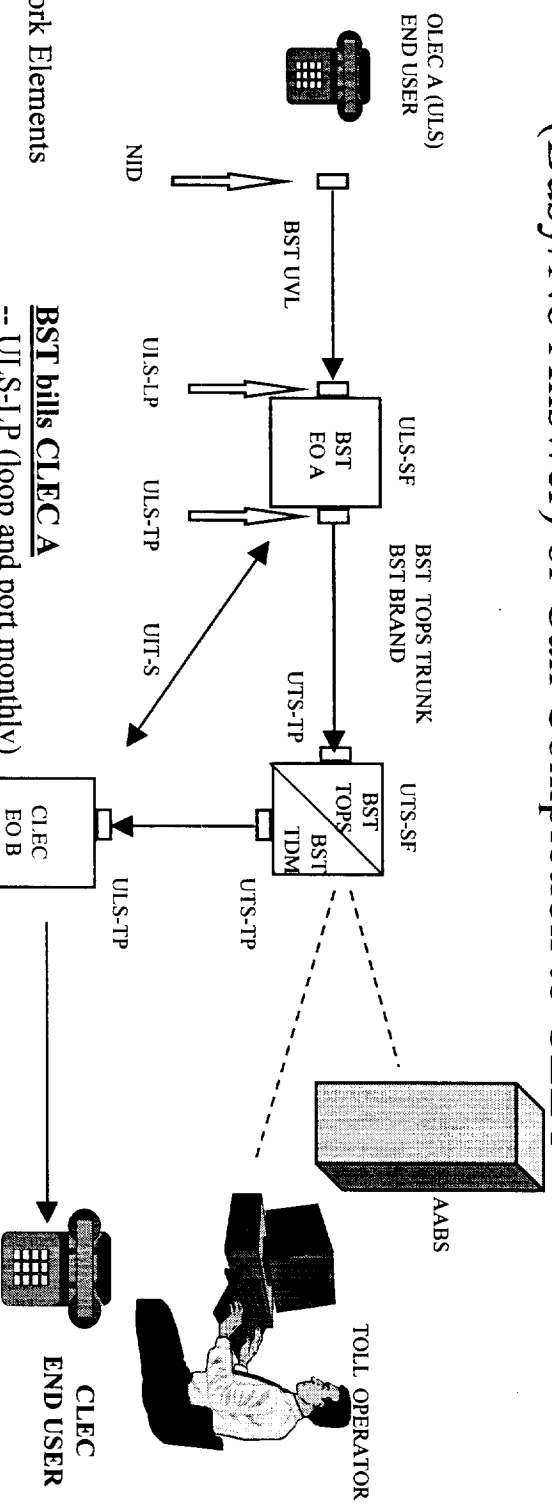
### Billing Factors

- NA

### Record Exchange

BellSouth sends CLEC A  
ODUF 10-01-31 or 10-01-01  
(indicator 18 set to 2)

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 02A. OPERATOR CALL PROCESSING - BST BRAND or UNBRANDED ZERO MINUS or ZERO PLUS LOCAL, Incomplete Call Completion (Busy/No Answer) or Call Completion to CLEC



## **Billing Concept**

-- Unbundled Network Elements

## **Usage Recordings**

- Call Code 192 made at the TOPS TOPS functions like tandem, but no tandem indicator in call detail (use elapsed time)
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

CLEC end user dials 0 - BST Operator dials terminating number and handles billing or CLEC end user dials 0+ terminating number Operator Call Handling NOT subsequent to DA Operator Call Handling - Incomplete Call Completion or call completed

## **BST bills CLEC A**

- ULS-LP (loop and port monthly)
  - 2 ULS-SFs (unbundled switching - ULS-SF originating and terminating, summarized at originating EO A)
  - 2 ULS-TPs (end office trunk ports)
  - UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST EO A to CLEC EO B)
  - 2 UTS-TP (unbundled full tandem trunk ports)
  - UTS-SF (unbundled full tandem switching)
- (Note: only bill 1 UTS-SF even though sometimes switching in TOPS and in TDM occur)
- Per call/minute operator charges per CLEC contract
  - DA charges/credits (CC 192)

## **FB CLEC may bill BST**

Reciprocal Compensation

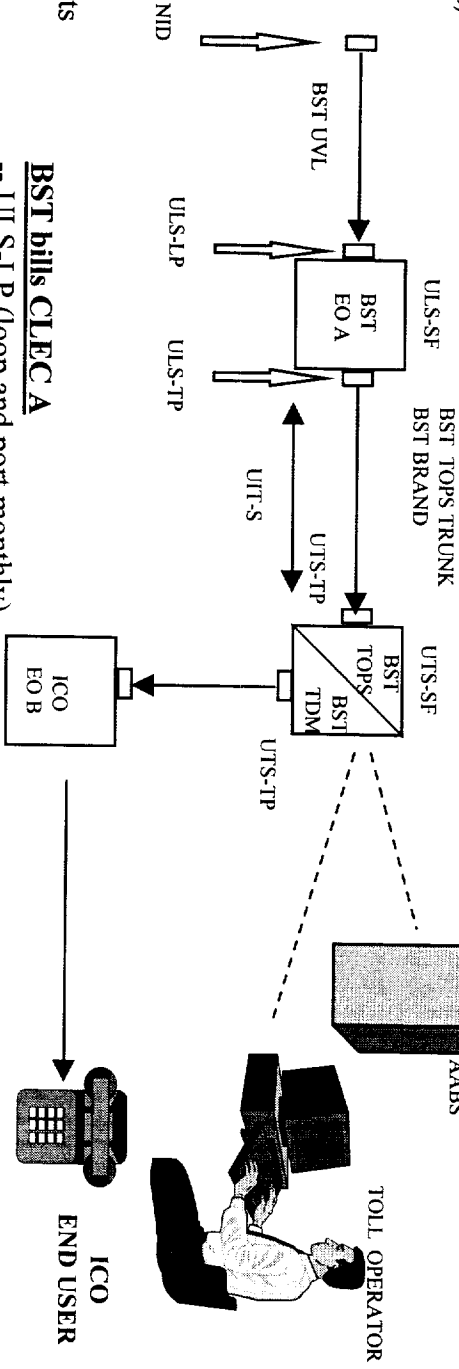
## **Billing Factors**

-- N/A

## **Record Exchange**

BellSouth sends CLEC A  
ODUF 10-01-31 or 10-01-01  
(indicator 18 set to 2)

## (Busy/No Answer) or Call Completion to Independent Company



## **Billing Concept**

## Usage Recordings

- Call Code 192 made at the TOPS  
TOPS functions like tandem, but no  
tandem indicator in call detail  
(use elapsed time)
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

CLLEC end user dials 0 - BST Operator dials terminating number and handles billing or CLLEC end user dials 0+ terminating number Operator Call Handling NOT subsequent to DA Operator Call Handling - Incomplete Call Completion or call completed

## **BST bills CLECA**

- ```
-- ULS-LP (loop and port monthly)
-- 1 ULS-SFs (unbundled switching - originating,
summarized at originating EO A)
-- 1 ULS-TPs (end office trunk ports)
-- UTS-S (unbundled transport-shared, fixed and
per mile, mileage calculated from BST EO A to TOPS)
-- 2 UTS-TP (unbundled full tandem trunk ports)
-- UTS-SF (unbundled full tandem switching)
-- Per call/minute operator charges per CLEC contract
-- DA charges/credits (CC 192)
```

**BST/ICO**

Local is bill & keep (no settlement)

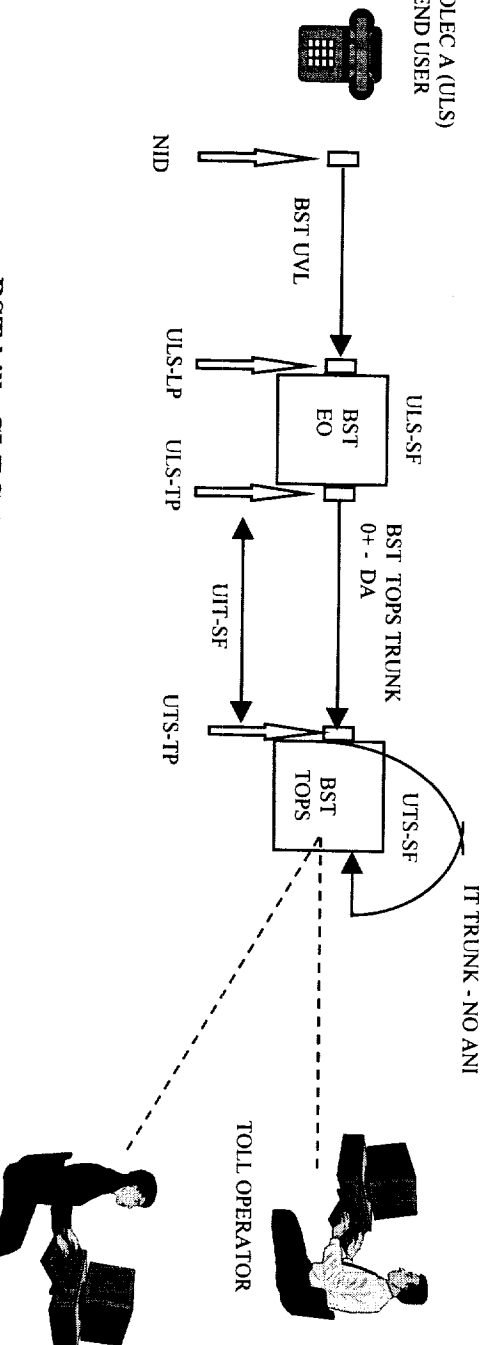
## **Billing Factors**

- NA

## Record Exchange

BellSouth sends CLEC A  
ODUF 10-01-31 or 10-01-01  
(indicator 18 set to 2)

### 03. ZERO PLUS - OPERATOR CALL PROCESSING- BST BRAND OR UNBRANDED 0+ DIRECTORY ASSISTANCE



# BST bills CI, EC A

- UIS-IP (loop and port monthly)

originating, summarized at originating EO)

- ```
-- 1 ULS-TPs (end office trunk ports)
-- 1 UTS-S (unbundled transport-shared, fixed and
per mile, mileage calculated from BST EO to TOPS
-- 1 UTS-TP (unbundled full tandem trunk port)
-- 1 UTS-SF (unbundled tandem switchline - full)
```

## NA:

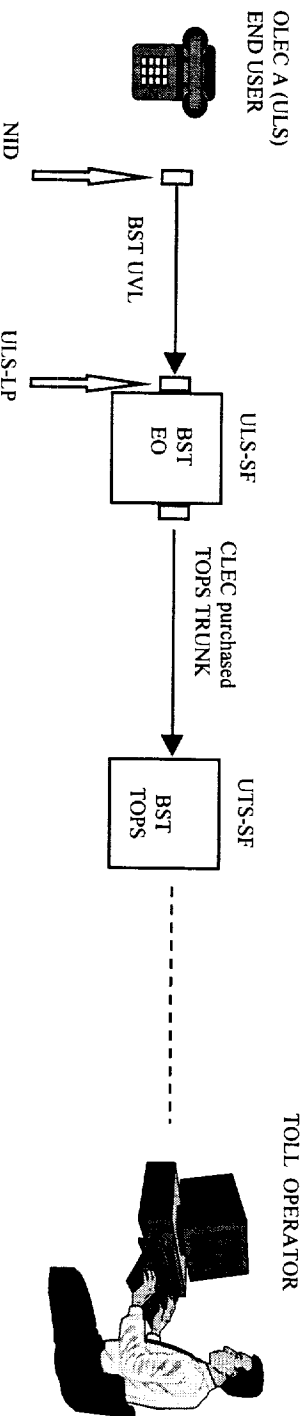
BellSouth sends CLECA  
ODUF 10-01-32

```
-- Per call/minute operator charges per CLEC contract
-- DA charges/credits (CC 192)
```

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 04. OPERATOR CALL PROCESSING -NO ATTEMPT

### CLEC BRAND - LINE CLASS CODE METHOD



#### Billing Concept

-- Unbundled Network Elements

#### Usage Recordings

-- Call Code 196 made at the TOPS  
(use elapsed time)

#### BST bills CLEC A

-- ULS-LP (loop and port monthly)  
-- 1 ULS-SFs (unbundled switching -  
originating, summarized at originating EO )  
-- 1 UTS-SF (unbundled tandem switching - full)

#### Billing Factors

-- NA

#### Record Exchange

BellSouth sends CLEC A  
ODUF 10-01-01

ZERO MINUS  
NO ATTEMPT  
ANI  
Query Operator only  
Operator Call Handling NOT subsequent to DA

CLEC orders Customized Routing /LCCs

## 06. OPERATOR CALL PROCESSING - CLEC BRAND

Incomplete Call Completion (Busy/No Answer) or Call Completed



## Usage Recordings

- CLEC End User dials 0- BST Operator dials terminating number and handles billing or CLEC End user dials 0+ terminating number Operator Call Handling NOT subsequent to DA Operator Call Handling - Incomplete Call Completion Call is NOT answered or Call is answered.**

**BST bills CLECA**

- ```
-- ULS-LP (loop and port monthly)
-- 2 ULS-SFs (unbundled switching -
    originating and terminating, summarized at
    originating EO )
-- 1 ULS-TPs (end office trunk ports)
-- UTS-S (unbundled transport, fixed and per mile
    with mileage from TOPS to EO B)
-- 1 UTS-TP (full tandem trunk ports)
-- 1 UTS-SF (unbundled full tandem switching)
-- DA charges/credits (CC 192)
```

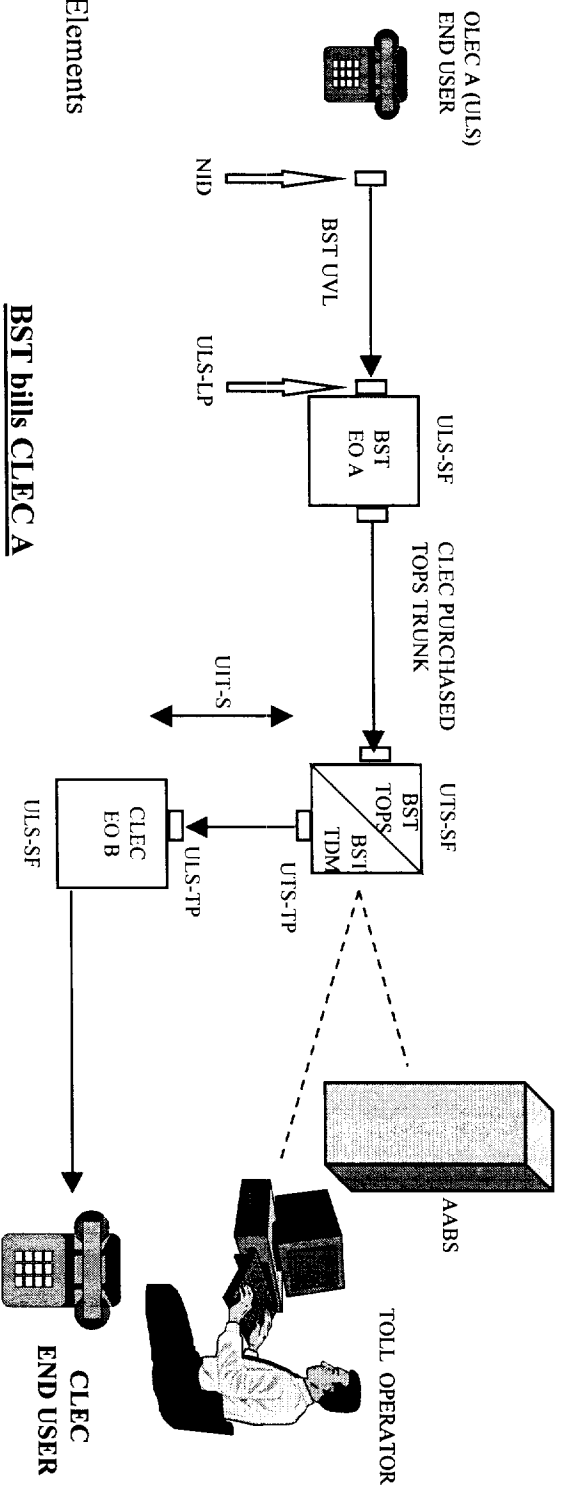
## **Billing Factors**

- NA

## Record Exchange

BellSouth sends CLEC A  
ODUF 10-01-31 or 10-01-01  
(indicator 18 set to 2)

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 06A. OPERATOR CALL PROCESSING - CLEC BRAND ZERO MINUS or ZERO PLUS LOCAL-LINE CLASS CODE METHOD Incomplete Call Completion (Busy/No Answer) or Call Completed to CLEC



## **Billing Concept**

-- Unbundled Network Elements

## **Usage Recordings**

- Call Code 192 made at TOPS Assumes line class code method TOPS functions like a tandem
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

CLEC End User dials 0- BST Operator dials terminating number and handles billing or CLEC End user dials 0+ terminating number Operator Call Handling NOT subsequent to DA Operator Call Handling - Incomplete Call Completion Call is NOT answered or Call is answered.

## **BST bills CLEC A**

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO )
- 1 ULS-TPs (end office trunk ports)
- UTS-S (unbundled transport, fixed and per mile with mileage from TOPS to EO B)
- 1 UTS-TP (full tandem trunk ports)
- 1 UTS-SF (full tandem switching)
- DA charges/credits (CC 192)

## **FB CLEC may bill BST**

Reciprocal Compensation per agreement

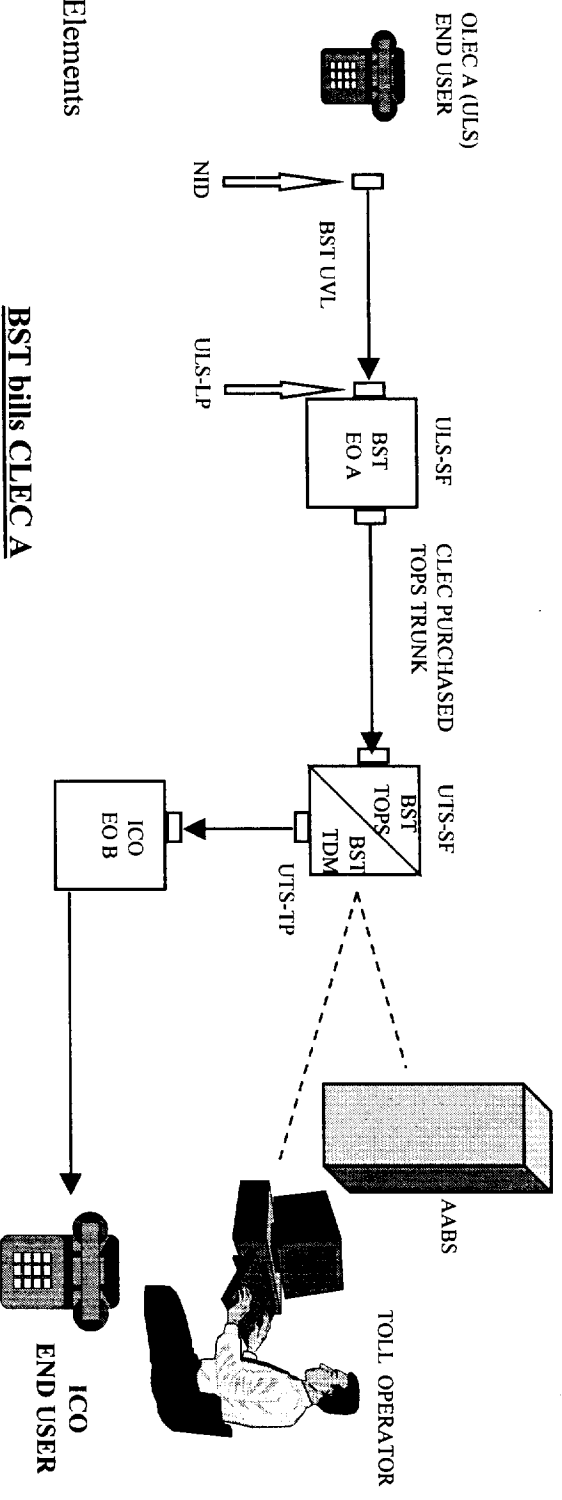
## **Billing Factors**

-- NA

## **Record Exchange**

BellSouth sends CLEC A  
 ODUF 10-01-31 or 10-01-01  
 (indicator 18 set to 2)

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 06B. OPERATOR CALL PROCESSING - CLEC BRAND ZERO MINUS or ZERO PLUS LOCAL - LINE CLASS CODE METHOD Incomplete Call Completion (Busy/No Answer) or Call Completed to ICO



## **Billing Concept**

-- Unbundled Network Elements

## **Usage Recordings**

- Call Code 192 made at TOPS Assumes line class code method TOPS functions like a tandem
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

## **BST bills CLEC A**

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A)
- 1 UTS-TP (full tandem trunk port)
- 1 UTS-SF (full tandem switching)
- DA charges/credits (CC 192)

- Billing Factors**
- NA
- Record Exchange**
- BellSouth sends CLEC A
- ODUF 10-01-31 or 10-01-01 (indicator 18 set to 2)

## **BST/ICO**

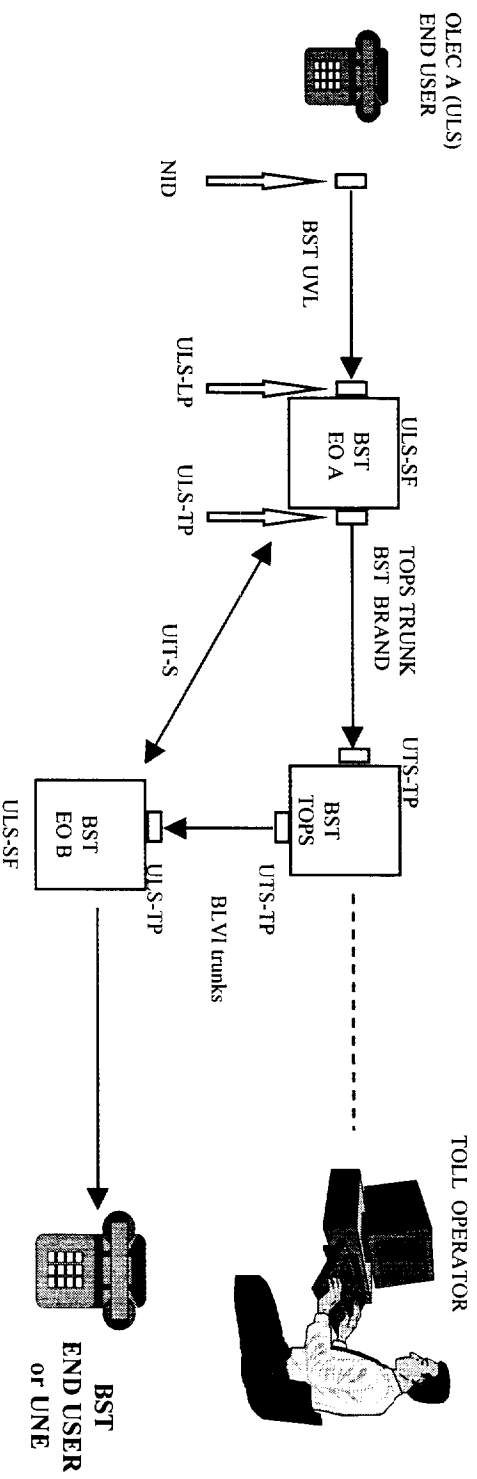
Local is bill & keep (no settlement)

CLEC End User dials 0- BST Operator dials terminating number and handles billing or CLEC End user dials 0+ terminating number Operator Call Handling NOT subsequent to DA Operator Call Handling - Incomplete Call Completion Call is NOT answered or Call is answered.

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 08. OPERATOR CALL PROCESSING - BUSY LINE VERIFY & INTERRUPT

### BST BRAND or UNBRANDED



#### BST bills CLECA

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)
- 2 ULS-TPs (end office trunk ports)
- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST EO A to EO B)
- 2 UTS-TP (full tandem trunk ports)
- UTS-SF (unbundled full tandem switching)
- Per message charge

#### Billing Factors

-- NA

#### Record Exchange

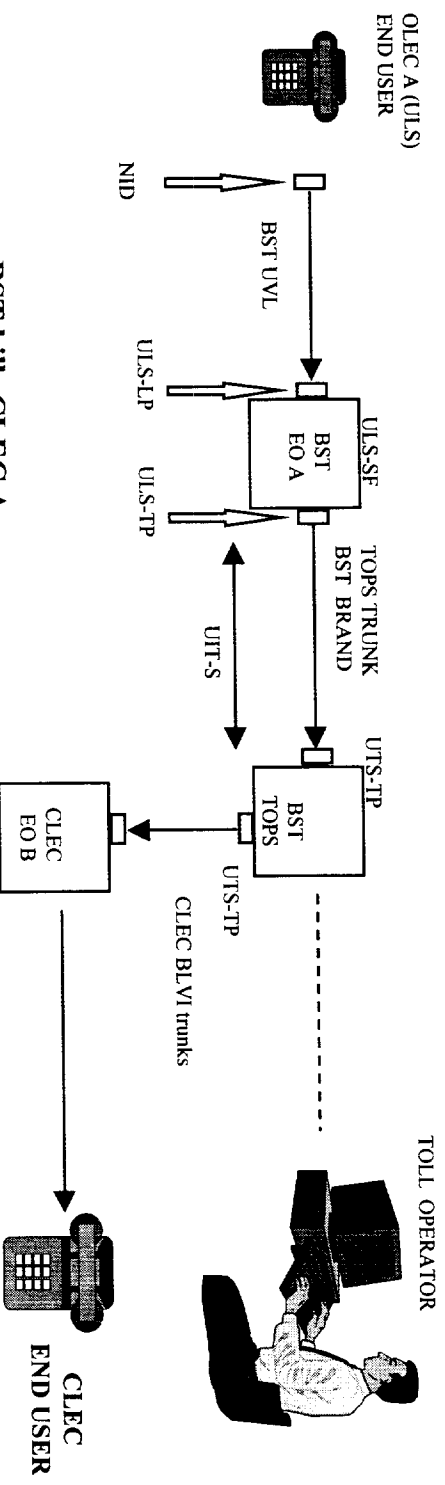
- BellSouth sends CLECA
- ODUF 10-01-35 (verify only)
- ODUF 10-01-37 (verify/Interrupt)

#### Usage Recordings

- Call Code 198 made at the TOPS
- TOPs functions like a tandem
- Use elapsed time

Operator Call Handling NOT subsequent to DA

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS O8A. OPERATOR CALL PROCESSING - BUSY LINE VERIFY & INTERRUPT to CLEC - BST BRAND or UNBRANDED



## **BST bills CLEC A**

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - summarized at originating EO A)
- 1 ULS-TPs (end office trunk port)
- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST EO A to TOPS)
- 1 UTS-TP (full tandem trunk port)
- UTS-SF (unbundled full tandem switching)
- Per message charge

## **Billing Factors**

-- NA

## **Record Exchange**

- BellSouth sends CLEC A
- ODUF 10-01-35 (verify only)
- ODUF 10-01-37 (verify/Interrupt)

## **Billing Concept**

-- Unbundled Network Elements

## **Usage Recordings**

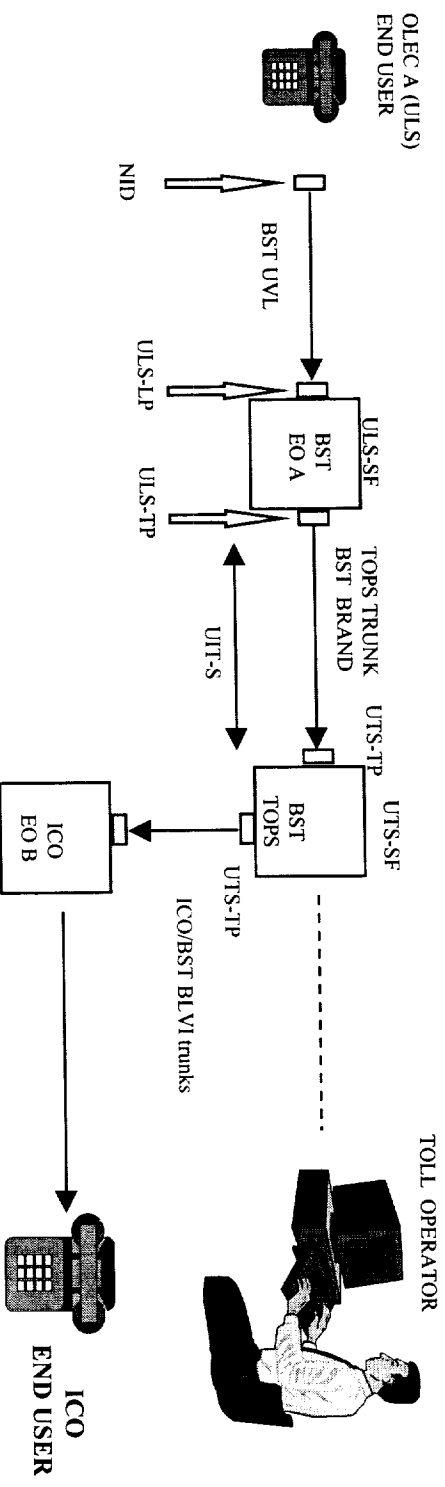
- Call Code 198 made at the TOPS
- TOPs functions like a tandem
- Use elapsed time

Operator Call Handling NOT subsequent to DA

## **FB CLEC may bill BST**

No Reciprocal Compensation is billed since CLEC B does not make a recording

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS O8B. OPERATOR CALL PROCESSING - BUSY LINE VERIFY & INTERRUPT to ICO - BST BRAND or UNBRANDED



## **Billing Concept**

-- Unbundled Network Elements

## **Usage Recordings**

-- Call Code 198 made at the TOPS  
TOPs functions like a tandem  
Use elapsed time

## **BST bills CLEC A**

-- ULS-LP (loop and port monthly)  
-- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A)  
-- 1 ULS-TPs (end office trunk ports)  
-- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST EO A to TOPS)  
-- 2 UTS-TP (full tandem trunk ports)  
-- UTS-SF (unbundled full tandem switching)  
Per message charge

## **Billing Factors**

-- NA

## **Record Exchange**

BellSouth sends CLEC A  
ODUF 10-01-35 (verify only)  
ODUF 10-01-37 (verify/Interrupt)

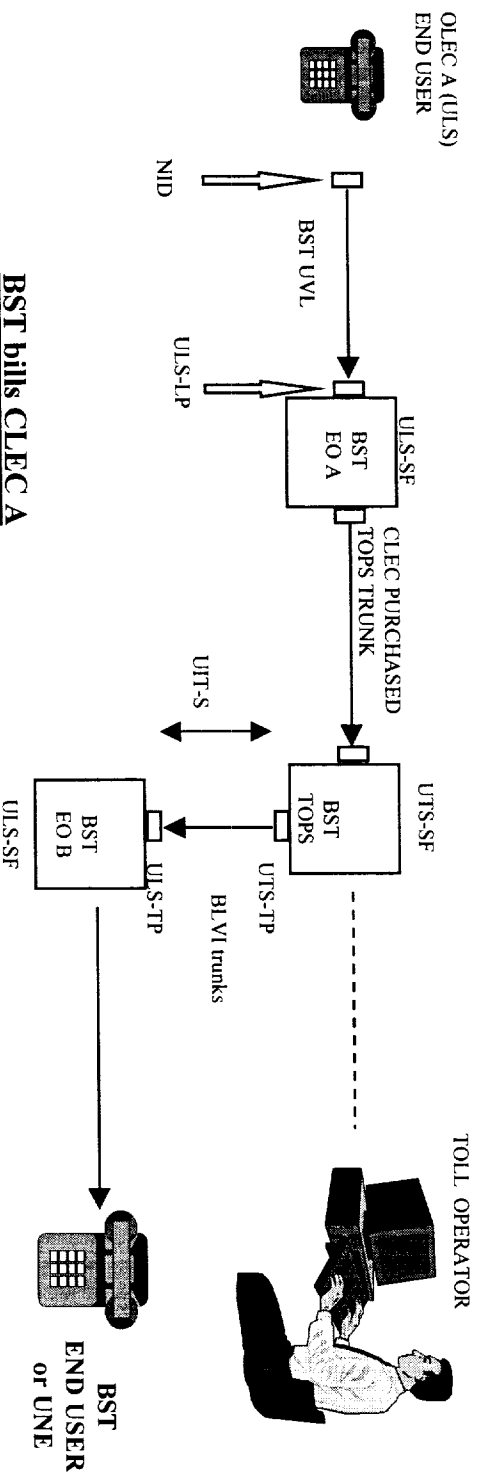
Operator Call Handling NOT subsequent to DA

## **BST/ICO**

Local is bill & keep (no settlement)

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 09. OPERATOR CALL PROCESSING - BUSY LINE VERIFY & INTERRUPT CLEC BRANDED



### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)
- 1 ULS-TPs (end office trunk ports)
- UIT-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST TOPS to EO B)
- 1 UTS-TP (full tandem trunk ports)
- UTS-SF (unbundled full tandem switching) Per message charge

### Billing Factors

-- NA

### Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-35 (verify only)
- ODUF 10-01-37 (verify/Interrupt)

### Usage Recordings

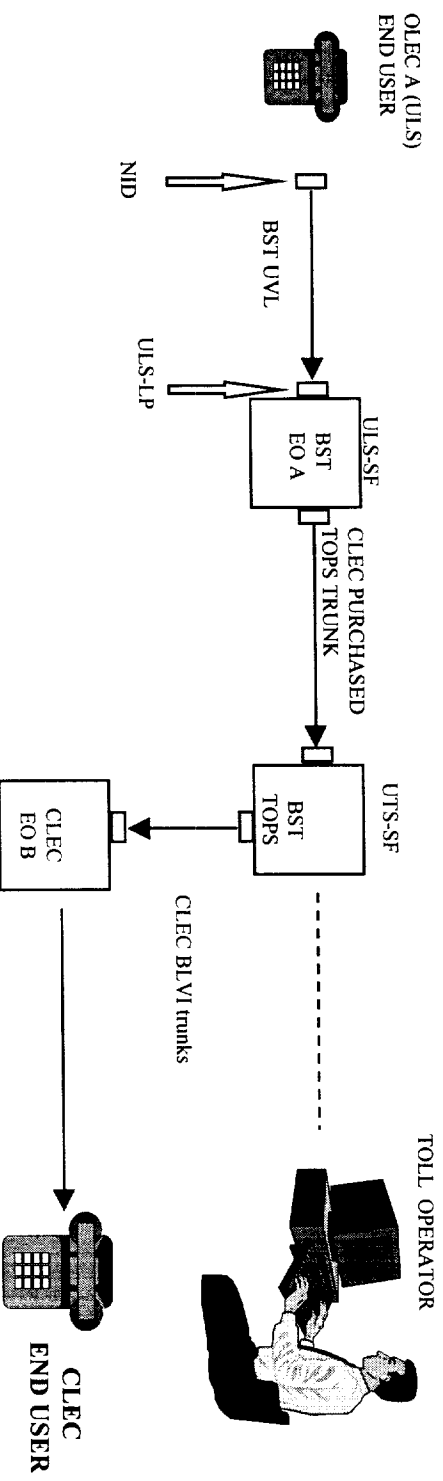
- Call Code 198 made at the TOPS
- TOPs functions like a tandem
- Use elapsed time

### Billing Concept

- Unbundled Network Elements

Operator Call Handling NOT subsequent to DA

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 09A. OPERATOR CALL PROCESSING - BUSY LINE VERIFY & INTERRUPT to CLEC - CLEC BRANDED



## **Billing Concept**

-- Unbundled Network Elements

## **Usage Recordings**

-- Call Code 198 made at the TOPS  
 TOPs functions like a tandem  
 Use elapsed time

## **BST bills CLEC A**

-- ULS-LP (loop and port monthly)  
 -- 1 ULS-SFs (unbundled switching -  
 originating, summarized at originating EO A)  
 -- UTS-SF (unbundled full tandem switching)  
 Per message charge

## **FB CLEC may bill BST**

No Reciprocal Compensation is billed since CLEC B  
 does not make a recording

## **Billing Factors**

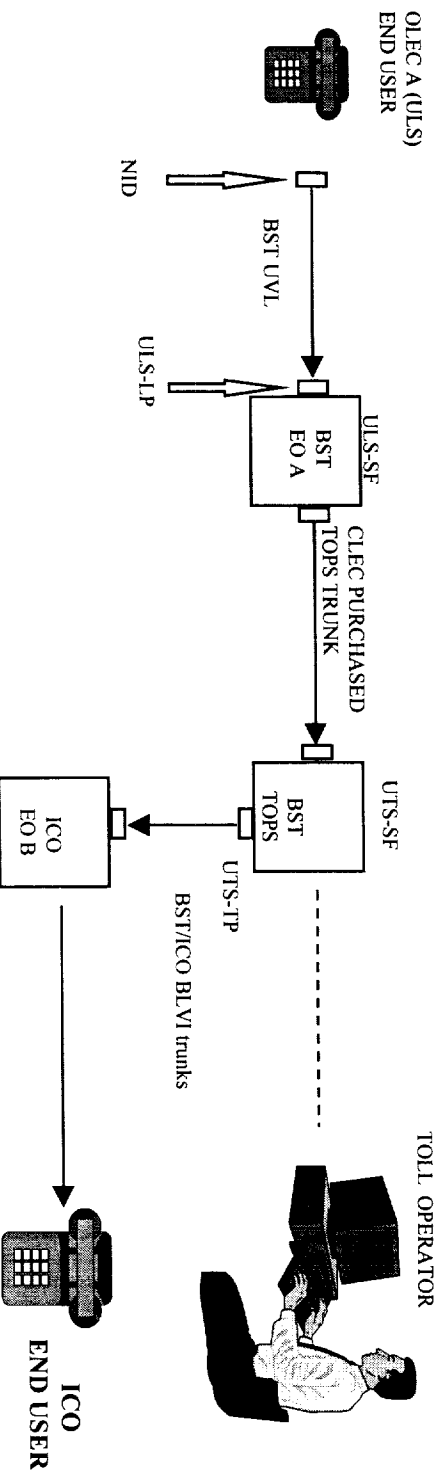
-- NA

## **Record Exchange**

BellSouth sends CLEC A  
 ODUF 10-01-35 (verify only)  
 ODUF 10-01-37 (verify/Interrupt)

Operator Call Handling NOT subsequent to DA

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 09B. OPERATOR CALL PROCESSING - BUSY LINE VERIFY & INTERRUPT to ICO - CLEC BRANDED



## Billing Concept

-- Unbundled Network Elements

## Usage Recordings

-- Call Code 198 made at the TOPS  
TOPs functions like a tandem  
Use elapsed time

Operator Call Handling NOT subsequent to DA

## BST bills CLEC A

-- ULS-LP (loop and port monthly)  
-- 1 ULS-SFs (unbundled switching -  
originating, summarized at originating EO A)

-- 1 UTS-TP (full tandem trunk ports)  
-- UTS-SF (unbundled full tandem switching)  
Per message charge

## BST/ICO

Local is bill & keep (no settlement)

## Billing Factors

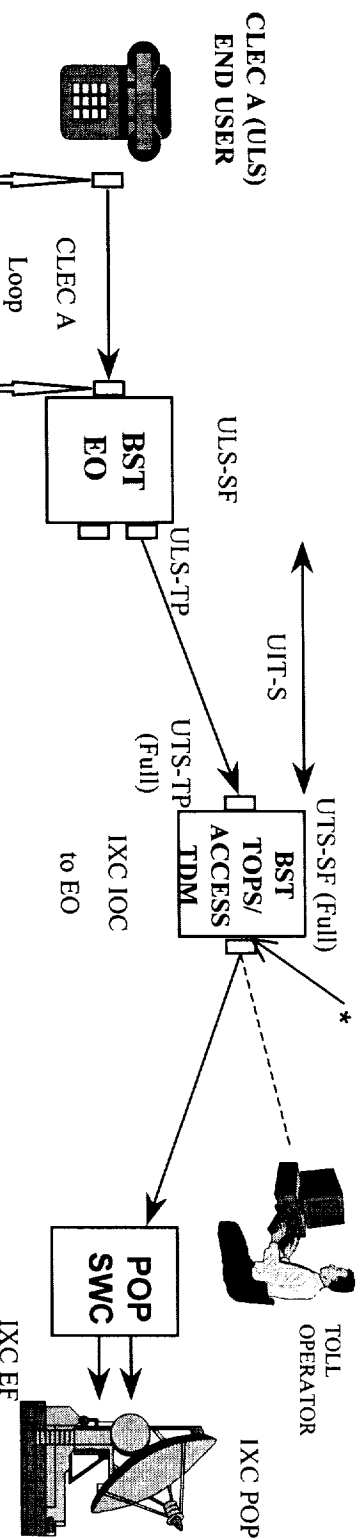
-- NA

## Record Exchange

BellSouth sends CLEC A  
ODUF 10-01-35 (verify only)  
ODUF 10-01-37 (verify/Interrupt)

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 09C. OPERATOR TRANSFER SERVICE



### BST bills CLEC A

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled switching - originating) Charges below apply if IXC tandem routed
- ULS-TP (end office trunk ports)
- UIT-S (unbundled transport - shared, mileage from BST EO and BST AT, fixed and per mile)
- UTS-TP (unbundled full rate tandem trunk ports)
- UTS-SF (unbundled full rate tandem switching)

### Usage Recordings

-- Call Code 190

### Billing Concept

- Access Reform
- Unbundled Network Elements

### CLEC A bills IXC

- Originating Access as agreed upon between CLEC A & IXC

### BST bills IXC

- Dedicated Switched Local Channel (Entrance Facility)
- Dedicated Switched Transport (between POP SWC and Access Tandem)
- Operator Transfer Charge

### Billing Factors

- IXC will provide PIUs to BST and CLEC A

### Record Exchange

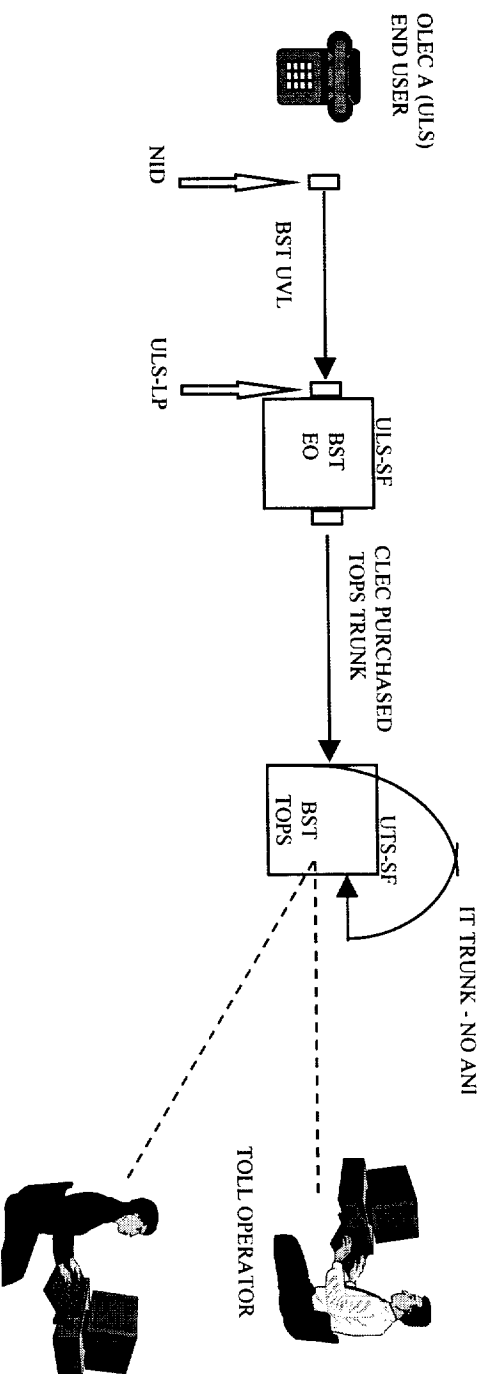
- BST will send originating access records via ADUF to CLEC A so that CLEC A can bill the IXC

### Demarcation Point between UNE Network and IXC Network

Access Tandem Switch

\* indicates demarcation between UNE Network and other Networks

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 010. ZERO PLUS - DIRECTORY ASSISTANCE - CLEC BRAND



## Billing Concept

-- Unbundled Network Elements

## Usage Recordings

- Call Code 192 made at the TOPS (module 052) (use elapsed time)
- Call Code 195 from TOPS is discarded
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

0+ 411 or Home NPA 555

## BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A)
- UTS-SF (Unbundled tandem switching full)
- DA charges/credits (CC 192)

## Billing Factors

-- NA

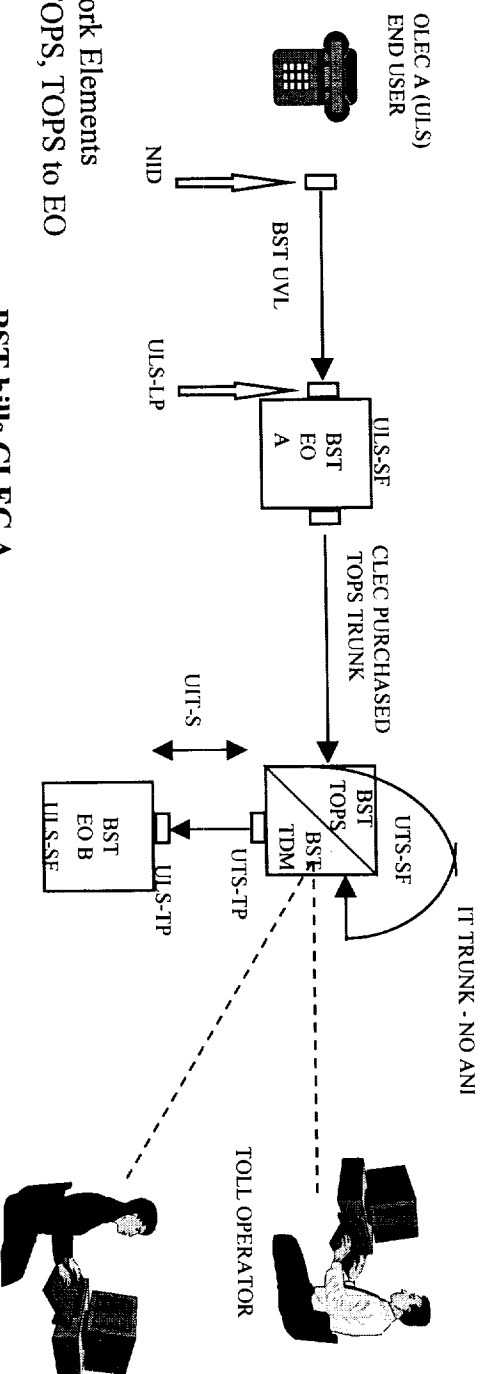
## Record Exchange

BellSouth sends CLEC A  
ODUF 10-01-32

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 010A. ZERO PLUS - DIRECTORY ASSISTANCE with DACC

### - CLEC BRAND



#### Billing Concept

- Unbundled Network Elements
- (2 calls: UNE to TOPS, TOPS to EO B)

#### Usage Recordings

- Call Code 192 made at the TOPS (module 052) actual terminating TN for DACC in this recording
- Call Code 195 from TOPS is discarded
- Call code 192 from TOPS with terminating number of 411 or 555-1212 (module 51)
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

0+ 411 or Home NPA 555

6/22/01

#### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A) (CC192/terminating TN 555-1212 or 411)
- UTS-SF (unbundled tandem switching full) Rate elements below based on CC192 with actual terminating TN
- 1 UTS-S (unbundled transport, fixed, mileage calculated from TOPS to EO B) (CC192)
- 1 ULS-SFs (unbundled switching - terminating) (CC192)
- 1 ULS-TP (end office trunk port) (CC192)
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

DA OPERATOR

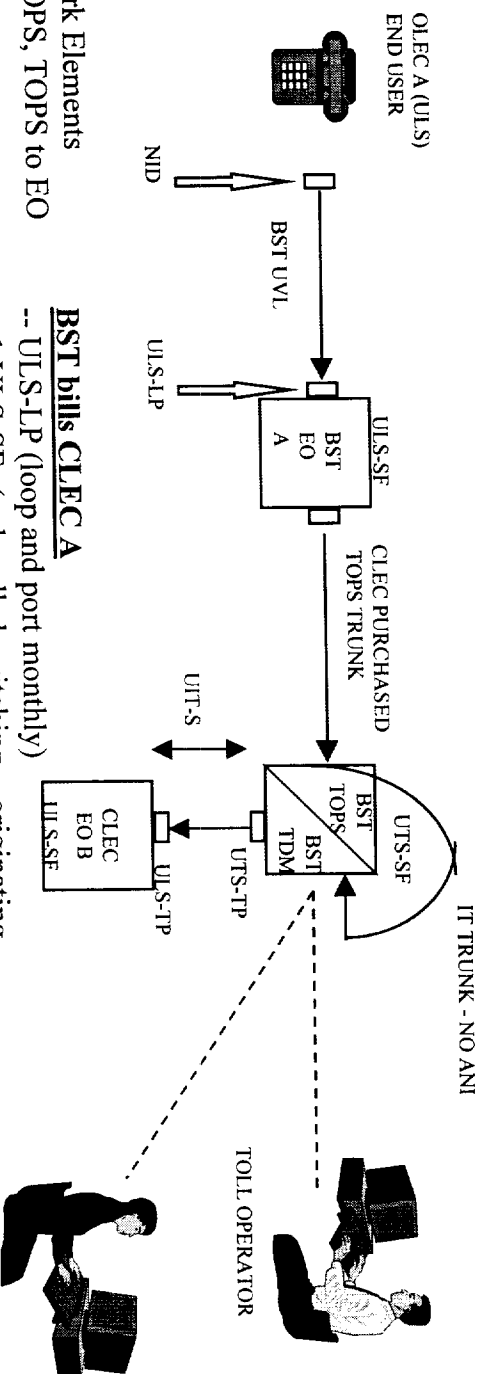
#### Billing Factors

-- NA

#### Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-32 (DA Record)
- ODUF 10-01-18 (DACC Record)
- ODUF 10-01-01 (completed call)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS  
010AA. ZERO PLUS - DIRECTORY ASSISTANCE with DACC to CLEC  
- CLEC BRAND



## Billing Concept

- Unbundled Network Elements  
(2 calls: UNE to TOPS, TOPS to EO  
B)

## Usage Recordings

- ```
-- Call Code 192 made at the TOPS
(module 052) actual terminating TN for
DACC in this recording
-- Call Code 195 from TOPS is
discarded
-- Call code 192 from TOPS with
terminating number of 411 or 555-1212
(module 51)
-- Call Code 189 (non-billable)
-- Call Code 192 (DA charges/credits)
```

## **FB CLEC may bill BST**

- Reciprocal Compensation per agreement

**BST bills CLECA**

- ```
-- ULS-LP (loop and port monthly)
-- ULS-SFs (unbundled switching - originating,
summarized at originating EO A) (CC192/terminating TN
555-1212 or 411)
-- UTS-SF (unbundled tandem switching)
Rate elements below based on CC192 with actual
terminating TN
-- 1 UIT-S (unbundled transport, fixed, mileage calculated
from TOPS to EO B) (CC192)
-- 1 ULS-SFs (unbundled switching - terminating) (CC192)
-- 1 ULS-TP (end office trunk port) (CC192)
-- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
-- DA charges/credits (CC 192)
```

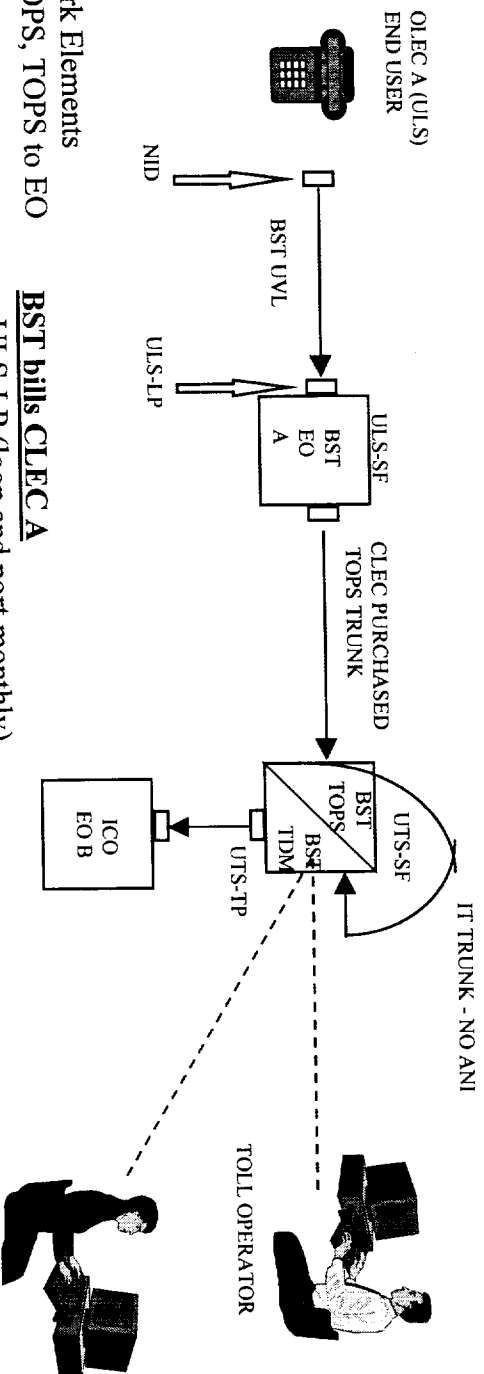
## **Billing Factors**

- NA

## Record Exchange

- BellSouth sends CLEC A**  
 ODUF 10-01-32 (DA Record)  
 ODUF 10-01-18 (DACC Record)  
 ODUF 10-01-01 (completed call)

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 010AB. ZERO PLUS - DIRECTORY ASSISTANCE with DACC to ICO - CLEC BRAND



## Billing Concept

- Unbundled Network Elements
- (2 calls: UNE to TOPS, TOPS to EO B)

## Usage Recordings

- Call Code 192 made at the TOPS (module 052) actual terminating TN for DACC in this recording
- Call Code 195 from TOPS is discarded
- Call code 192 from TOPS with terminating number of 411 or 555-1212 (module 51)
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits

0+ 411 or Home NPA 555

6/22/01

## BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A) (CC192/terminating TN 555-1212 or 411)
- 1 UTS-SF (unbundled tandem switching)
- Rate elements below based on CC192 with actual terminating TN
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

## BST/ICO

Local is bill & keep (no settlement)

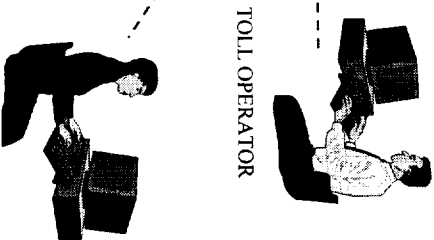
## Billing Factors

-- NA

## Record Exchange

BellSouth sends CLEC A  
ODUF 10-01-32 (DA Record)  
ODUF 10-01-18 (DACC Record)  
ODUF 10-01-01 (completed call)

## -BST BRAND OR UNBRANDED



## Billing Concept

- Unbundled Network Elements**  
(2 calls: UNE to TOPS, TOPS to EO  
B)

**BST bills CLECA**

- ```
-- ULS-LP (loop and port monthly) ULS-SF
Rate elements for CCI92/terminating TN 555-1212 or 411
-- 1 ULS-SFs (unbundled switching - orig, summarized at
orig EO A)
```

## Usage Recordings

- ```

-- Call Code 192 made at the TOPS
(module 052) actual terminating TN for
DACC in this recording
-- Call Code 195 from TOPS is
discarded
-- Call code 192 from TOPS with
terminating number of 411 or 555-1212
(module 51)
-- Call Code 189 (non-billable)
-- Call Code 192 (DA charges/credits)

0+ 411 or Home NPA 555

-- 1 ULS-TP (end office trunk port)
-- UIT-S (unbundled transport, fixed, mileage calculated
from EO A to TOPS)
-- UTS-SF (unbundled tandem switching full)
-- 1 UTS-TP (tandem office trunk ports-full)
Rate elements below based on CC192 with actual term TN
-- 1 UIT-S (unbundled transport, fixed, mileage calculated
from TOPS to EO B) (CC192)
-- 1 ULS-SFs (unbundled switching - terminating) (CC192)
-- 1 ULS-TP (end office trunk port) (CC192)
-- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
-- DA charges/credits (CC 192)

```

### Billing Factors

- NA

## Record Exchange

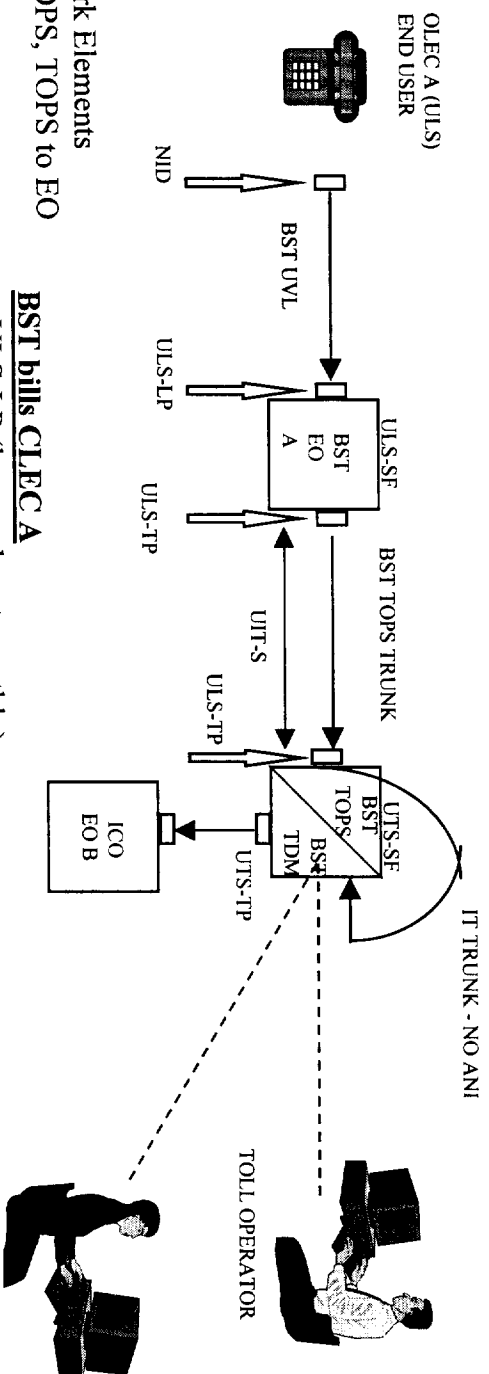
- BellSouth sends CLEC A  
ODUF 10-01-32 (DA Record)  
ODUF 10-01-18 (DACC Record)  
ODUF 10-01-01 (completed call)



# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 010BB. ZERO PLUS - DIRECTORY ASSISTANCE with DACC to ICO

### - BST BRAND OR UNBRANDED



#### Billing Concept

- Unbundled Network Elements
- (2 calls: UNE to TOPS, TOPS to EO B)

#### Usage Recordings

- Call Code 192 made at the TOPS (module 052) actual terminating TN for DACC in this recording
- Call Code 195 from TOPS is discarded
- Call code 192 from TOPS with terminating number of 411 or 555-1212 (module 51)
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

0+ 411 or Home NPA 555

6/22/01

#### BST bills CLEC A

- ULS-LP (loop and port monthly)
- Rate elements for CC192/terminating TN 555-1212 or 411
- 1 ULS-SFs (unbundled switching - orig, summarized at orig EO A)
- 1 ULS-TP (end office trunk port)
- UTS-S (unbundled transport, fixed, mileage calculated from EO A to TOPS)
- 1 UTS-SF (Unbundled full tandem switching)
- 1 UTS-TP (tandem office trunk ports-full)
- Rate elements below based on CC192 with actual term TN
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

DA OPERATOR

#### Billing Factors

-- NA

#### Record Exchange

BellSouth sends CLEC A

ODUF 10-01-32 (DA Record)

ODUF 10-01-18 (DACC Record)

ODUF 10-01-01 (completed call)

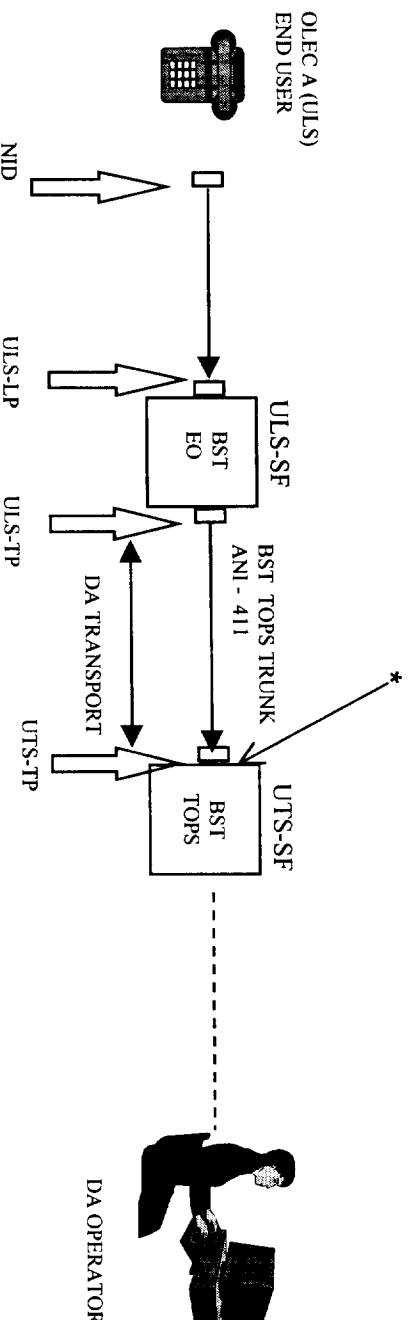
#### BST/ICO

Local is bill & keep (no settlement)

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## D1. DIRECTORY ASSISTANCE - BST BRAND, UNBRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



### Billing Concept

-- Unbundled Network Elements

Note: all DA calls are considered local

### Usage Recordings

-- Call Code 194 is made at the TOPS (note: BST branded and unbranded use different BST TOPS trunk facilities)

Unbranded contains all unbranded CLECs)

-- Call Code 189 (non-billable)

-- Call Code 192 (DA charges/credits)

End User dials:

Eastern States - 411

Western States - 1+411

or Home NPA 555

Call is not completed

6/22/01

### BST bills CLEC A

-- ULS-LP (loop and port monthly)

-- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO)

- 1 ULS-TPs (end office trunk ports)

-- UIT-S (unbundled transport, fixed, mileage calculated from EO to TOPS)

-- UTS-SF (unbundled tandem switching full)

-- 1 UTS-TP (unbundled full tandem trunk port)

-- DA charges/credits (CC 192)

### Billing Factors

-- NA

### Record Exchange

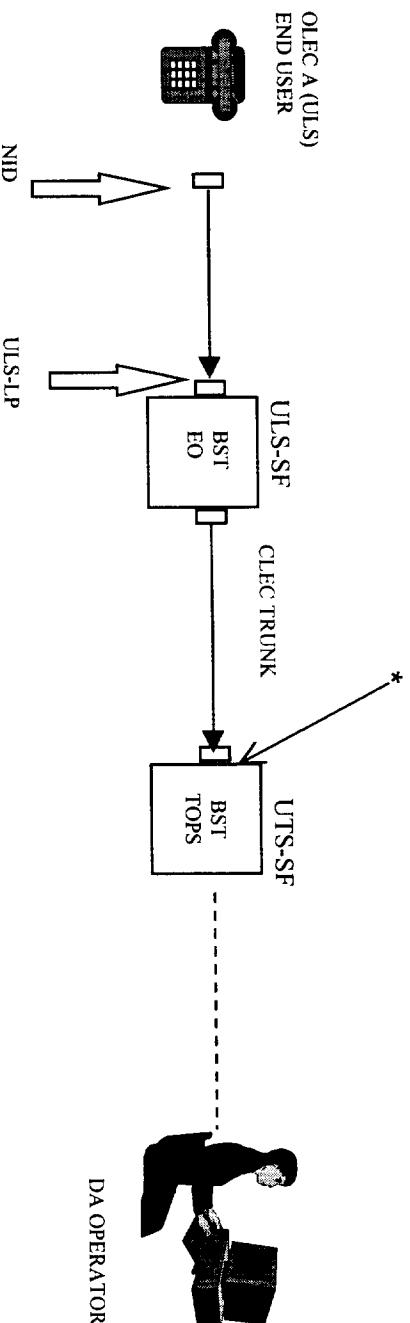
BellSouth sends CLEC A

ODUF 10-01-32

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## D2. DIRECTORY ASSISTANCE - CLEC BRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



### Billing Concept

-- Unbundled Network Elements

Note: all DA calls are considered local

### Usage Recordings

- Call Code 194 is made at the TOPS
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

End User dials:

Eastern States - 411  
Western States - 1+411  
or Home NPA 555  
Call is not completed

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO)
- UTS-SF (unbundled tandem switching full)
- DA charges/credits (CC 192)

### Billing Factors

-- NA

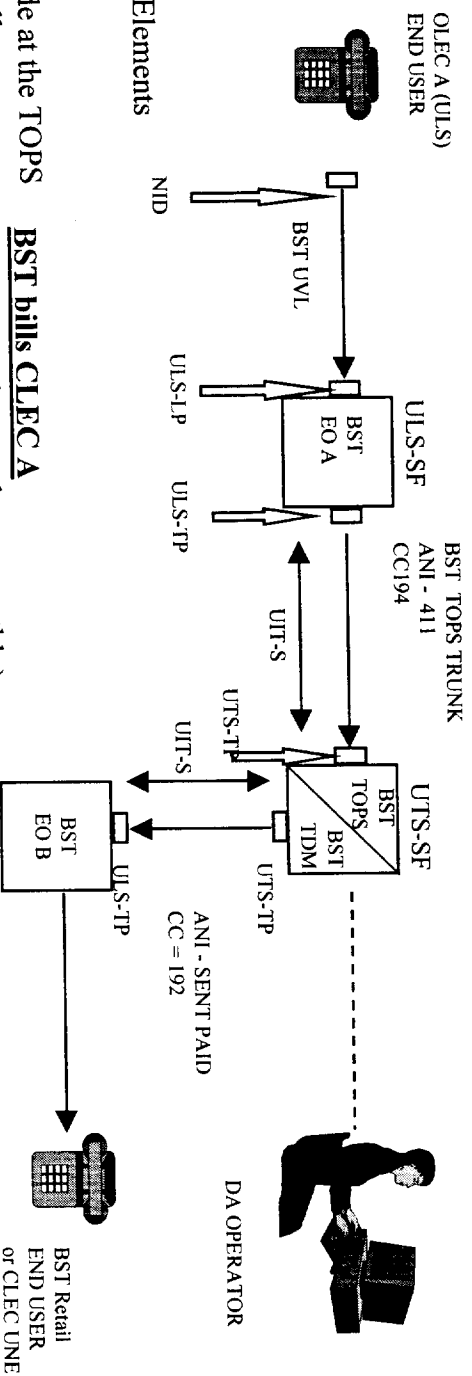
### Record Exchange

BellSouth sends CLEC A  
ODUF 10-01-32

\* indicates demarcation between UNE  
Network and other Networks

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS  
D3. DIRECTORY ASSISTANCE With CALL COMPLETION  
WITHIN the LATA - BST BRAND or UNBRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



## Billing Concept

- ## -- Unbundled Network Elements

## Usage Recordings

- ```
-- Call Code 194 is made at the TOPS
for DA portion of the call
TOPS functions like a tandem. Assume
CC194 contains operator work time
-- Call Code 192 is made at the TOPS
for DACC portion of the call
Assume CC192 contains call time.
-- Call Code 189 (non-billable)
-- Call Code 192 (DA
charges/credits)
```

**BST bills CLECA**

- ```
-- ULS-LP (loop and port monthly)
-- ULS-SFs (unbundled switching - originating) (CC194)
-- ULS-TPs (end office trunk port) (CC194)
-- UTS (unbundled transport, fixed, mileage calculated
from EOA to TOPS) (CC194)
-- UTS-SF (unbundled full tandem switching) (CC194)
-- UTS-TPs (tandem office trunk ports - full) (CC194)
-- UTS-S (unbundled transport, fixed, mileage calculated
from TOPS to EO B) (CC194)
-- ULS-SFs (unbundled switching - terminating) (CC194)
-- ULS-TP (end office trunk port) (CC194)
-- UTS-TPs (tandem office trunk ports - full) (CC194)
-- DA charges/credits (CC 192)
```

## Billing Factors

- NA

## Record Exchange

- BellSouth sends CLEC A**  
 ODUF 10-01-32 (DA Record)  
 ODUF 10-01-18 (DACC Record)  
 ODUF 10-01-01 (completed call)

End User dials: home NPA 555 or

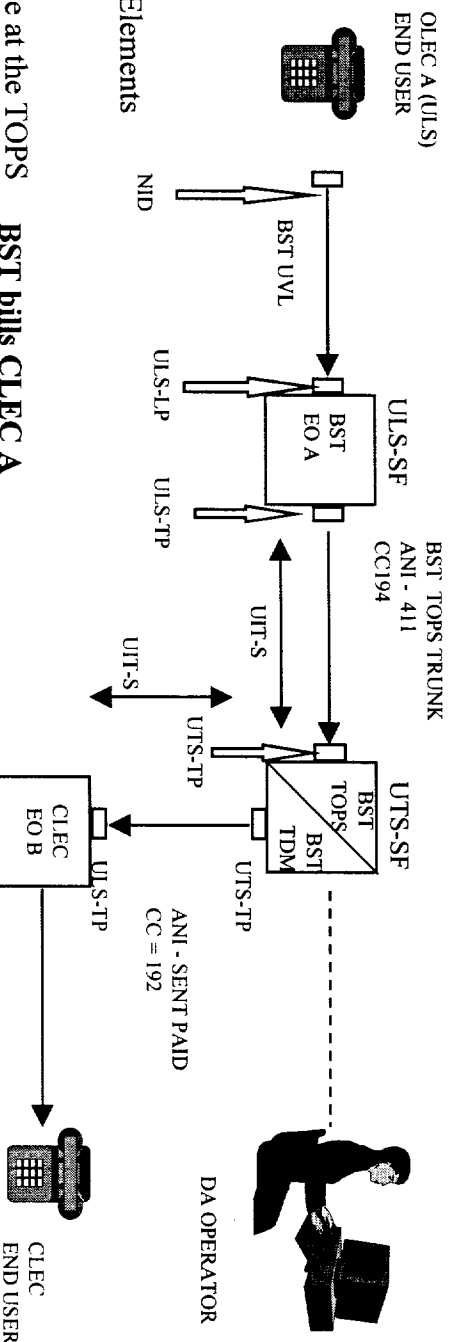
East - 411

West - 1+411

Call Completion subsequent to DA  
or Call Completion is busy or no answer

### D3A. DIRECTORY ASSISTANCE With CALL COMPLETION to CLEC

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



## Billing Concept

- ## -- Unbundled Network Elements

## Usage Recordings

- ```
-- Call Code 194 is made at the TOPS
for DA portion of the call
TOPS functions like a tandem. Assume
CC194 contains operator work time
-- Call Code 192 is made at the TOPS
for DACC portion of the call
Assume CC192 contains call time.
-- Call Code 189 (non-billable)
-- Call Code 192 (DA
charges/credits)
```

- End User dials: home NPA 555 or  
East - 411  
West - 1+411  
Call Completion subsequent to DA  
or Call Completion is busy or no answer

- ```

-- ULS-LP (loop and port monthly)
-- ULS-SF (unbundled switching - originating) (CC194)
-- ULS-SF (unbundled switching - terminating) (CC194)
-- ULS-TPs (end office trunk port) (CC194)
-- UTS-S (unbundled transport, fixed, mileage calculated
from EOA to TOPS) (CC194)
-- UTS-SF (unbundled full tandem switching) (CC194)
-- UTS-TPs (tandem office trunk ports - full) (CC194)
-- UTS-S (unbundled transport, fixed, mileage calculated
from TOPS to EO B) (CC192)
-- ULS-SFs (unbundled switching - terminating) (CC192)
-- ULS-TP (end office trunk port) (CC192)
-- UTS-TPs (tandem office trunk ports - full) (CC192)
-- DA charges/credits (CC 192)

```

## Billing Factors

- NA

## Record Exchange

- BellSouth sends CLEC A  
ODUF 10-01-32 (DA Record)  
ODUF 10-01-18 (DACC Record)  
ODUF 10-01-01 (completed call)

**FB CLEC may bill BST**

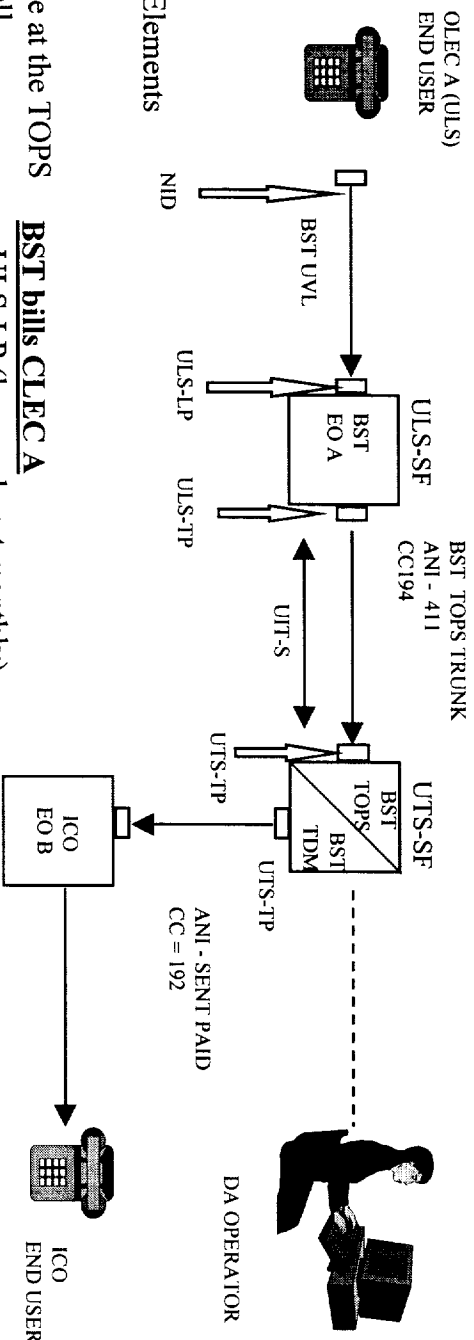
- Reciprocal Compensation per agreement

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## D3B. DIRECTORY ASSISTANCE With CALL COMPLETION to ICO

### WITHIN the LATA - BST BRAND or UNBRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



### Billing Concept

- Unbundled Network Elements

### Usage Recordings

- Call Code 194 is made at the TOPS for DA portion of the call
- TOPS functions like a tandem. Assume CC194 contains operator work time
- Call Code 192 is made at the TOPS for DACC portion of the call
- Assume CC192 contains call time.
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

End User dials: home NPA 555 or

East - 411

West - 1+411

Call Completion subsequent to DA

or Call Completion is busy or no answer

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating) (CC194)
- 1 ULS-TPs (end office trunk port) (CC194)
- UTS-S (unbundled transport, fixed, mileage calculated from EOA to TOPS) (CC194)
- UTS-SF (unbundled full tandem switching) (CC194)
- 1 UTS-TPs (tandem office trunk ports - full) (CC194)
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

### Billing Factors

- NA

### Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-32 (DA Record)
- ODUF 10-01-18 (DACC Record)
- ODUF 10-01-01 (completed call)

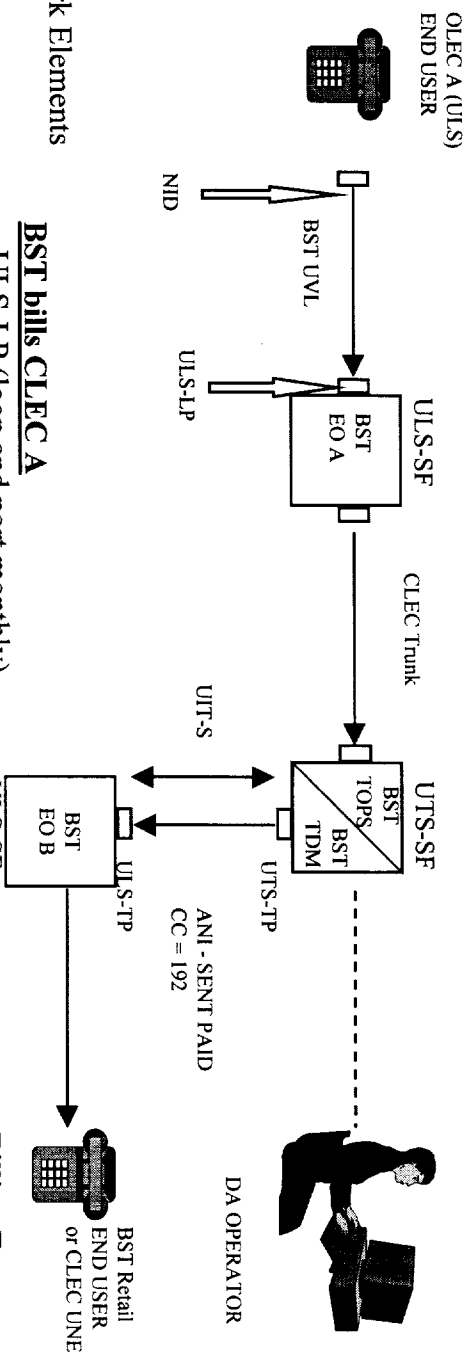
### BST/ICO

Local is bill & keep (no settlement)

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## D4. DIRECTORY ASSISTANCE WITH CALL COMPLETION - WITHIN the LATA - CLEC BRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



### Billing Concept

-- Unbundled Network Elements

### Usage Recordings

- Call Code 194 is made at the TOPS
- TOPS functions like a tandem Assume CC194 contains operator work time
- Call Code 192 is made at the TOPS
- Assume CC192 contains call time.
- Call Code 189
- Call Code 192 (DA charges/credits)
- End User dials: home NPA 555 or East - 411 West - 1+411
- Call Completion subsequent to DA or Call Completion is busy or no answer

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating) (CC194)
- UTS-SF (unbundled full tandem switching) (CC194)
- 1 UTS-S (unbundled transport, fixed, mileage calculated from TOPS to EO B) (CC192)
- 1 ULS-SFs (unbundled switching - terminating) (CC192)
- 1 ULS-TP (end office trunk port) (CC192)
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

### Billing Factors

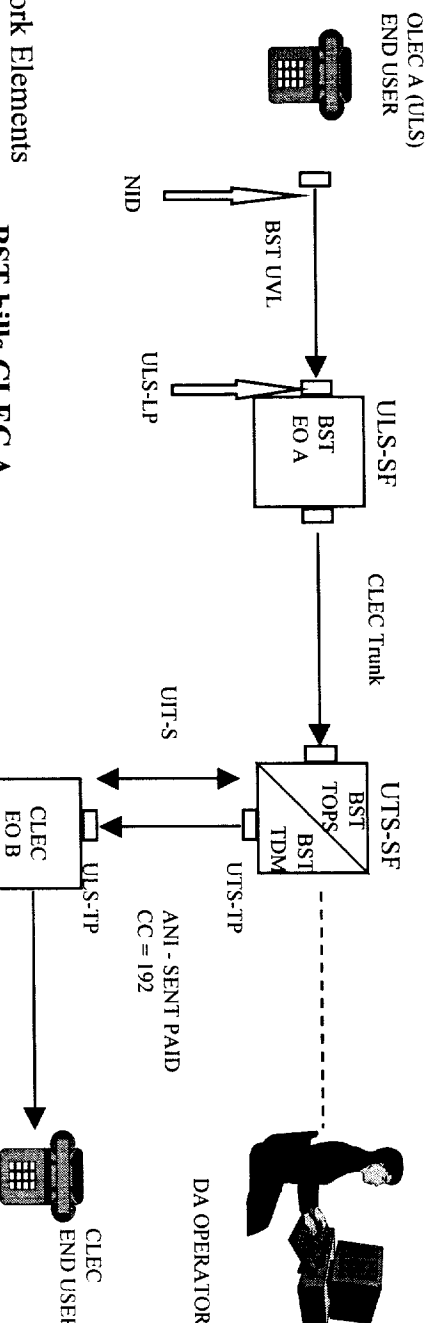
-- NA

### Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-32 (DA Record)
- ODUF 10-01-18 (DACC Record)
- ODUF 10-01-01 (completed call)

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS D4A. DIRECTORY ASSISTANCE With CALL COMPLETION to CLEC - WITHIN the LATA - CLEC BRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



## Billing Concept

### -- Unbundled Network Elements

#### Usage Recordings

- Call Code 194 is made at the TOPS-- ULS-LP (loop and port monthly)
- TOPS functions like a tandem Assume
- CC194 contains operator work time
- Call Code 192 is made at the TOPS-- 1 UTS-SF (unbundled full tandem switching) (CC194)
- Assume CC192 contains call time.
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

End User dials: home NPA 555 or

East - 411  
West - 1+411

Call Completion subsequent to DA  
or Call Completion is busy or no answer

## BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating) (CC194)
- UTS-SF (unbundled full tandem switching) (CC194)
- 1 UTS-S (unbundled transport, fixed, mileage calculated from TOPS to EO B) (CC192)
- 1 ULS-SFs (unbundled switching - terminating) (CC192)
- 1 ULS-TP (end office trunk port) (CC192)
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

## BST bills CLEC B

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating) (CC194)
- UTS-SF (unbundled full tandem switching) (CC194)
- 1 UTS-S (unbundled transport, fixed, mileage calculated from TOPS to EO B) (CC192)
- 1 ULS-SFs (unbundled switching - terminating) (CC192)
- 1 ULS-TP (end office trunk port) (CC192)
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

## Billing Factors

-- NA

## Record Exchange

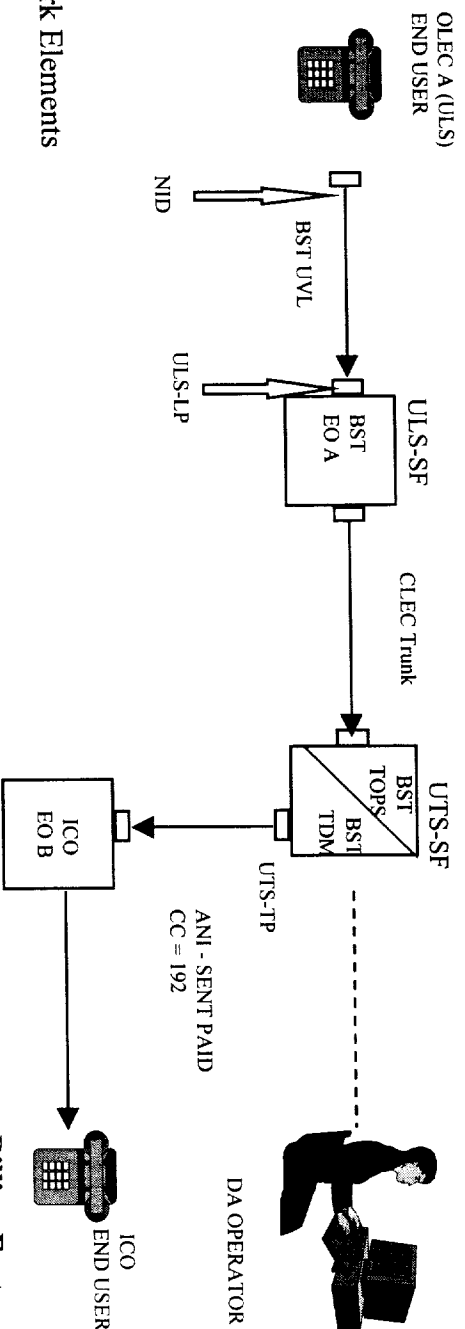
- BellSouth sends CLEC A
- ODUF 10-01-32 (DA Record)
- ODUF 10-01-18 (DACC Record)
- ODUF 10-01-01 (completed call)

## FB CLEC may bill BST

Reciprocal Compensation per agreement

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS D4B. DIRECTORY ASSISTANCE With CALL COMPLETION to ICO - WITHIN the LATA - CLEC BRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



## Billing Concept

-- Unbundled Network Elements

## Usage Recordings

- Call Code 194 is made at the TOPS
- TOPS functions like a tandem Assume CC194 contains operator work time
- Call Code 192 is made at the TOPS Assume CC192 contains call time.
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

End User dials: home NPA 555 or

East - 411

West - 1+411

Call Completion subsequent to DA

or Call Completion is busy or no answer

## BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating) (CC194)
- UTS-SF (unbundled full tandem switching) (CC194)
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

## BST/ICO

Local is bill & keep (no settlement)

## Billing Factors

-- NA

## Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-32 (DA Record)
- ODUF 10-01-18 (DACC Record)
- ODUF 10-01-01 (completed call)

# ***PROPOSED UNE BILLING ARRANGEMENTS***

## ***Glossary***

*Revised 10/26/98*

ADUF - Access Daily Usage File (general EMI category 11)  
BST - BellSouth Telecommunications  
BSWC- BellSouth Serving Wire Center  
CLEC - Competitive Local Exchange Company  
EF - Entrance Facility  
FB - Facility Based (FB CLECs include CLECs and non-Section 259 ICOs)  
EO - End Office  
ICO - Independent Telephone Company (a.k.a. ITC) that are covered by Section 259 of the FCC Order.  
MTA- Major Trading Area  
NCTA - Non-conversation and Attempt Factors  
NID - Network Interface Device  
ODUF - CLEC Daily Usage File (primarily contains but not limited EMI category 01, 10, some 11 query records, non access records)  
POI - Point of Interface  
TDM - Tandem Switching Office  
TSP - Tandem Service Provider  
Toll Call - Toll calls are carried on the BST Intral.ATA network. The switch CIC code will be the BST Intral.ATA code 5124.  
UVL - Unbundled Voice Loop  
ULS-LP - Unbundled Circuit Switching-Line Port\*  
ULS-SF - Unbundled Circuit Switching - Switching Functionality  
UIT-S - Unbundled Interoffice Transport - Shared. UIT-S cannot be dedicated trunks.  
UIT-D - Unbundled Interoffice Transport - Direct. UIT-D provides dedicated trunks.  
UNE - Unbundled Network Element  
UTS-SF - Unbundled Tandem Switching - Switching Functionality  
UTS-TP - Unbundled Tandem Switching - Trunk Port

\* For simplicity, only ULS-LPs are depicted on these call flow diagrams.

UNEs cannot have Extended Local Calling Area plans so Call Code 006 applies to inter-switch calls. When these are local, this recording is converted to a Call Code 001.

# ***PROPOSED UNE BILLING ARRANGEMENTS***

## ***Notes***

Unbundled Loops can be:

- a) 2-wire and 4-wire analog voice grade loops;
- b) 2-wire ISDN digital grade loops;
- c) 4-wire DS-1 digital grade loops.

Unbundled Ports can be:

- a) 2-wire and 4-wire analog line ports;
- b) 2-wire ISDN digital line ports;
- c) 2-wire analog DID trunk ports;
- d) 4-wire DS-1 digital DID trunk ports;
- e) 4-wire ISDN DS-1 digital trunk ports.

### **Bill Verification**

Copies of usage records will be held for bill verification when calls come into or leave the BST network.

### **Factor Calculation**

Records will be held for the calculation of PIU and PLU factors when they terminate to another LEC or when calls terminate to a BST RCFed ported number from an IXC.

# ***PROPOSED UNE BILLING ARRANGEMENTS***

## ***Notes (continued)***

### Local Toll Exceptions

- Records sent to UNE CLECs that subscribe to ODUF will reflect call types as recorded by the originating switch. Calls that are recorded by the switch as Local, that remain within the originating LATA, and are carried over the BellSouth network will be sent on ODUF as local records. Calls that are recorded by the originating switch as toll, that remain within the LATA, and are carried on the BellSouth network will be sent on ODUF as toll records. There are three unique aspects involved in the reason BellSouth provides the records as the switch records them:
- 1. **Dialing Parity** – All calls can be dialed in parity with BellSouth retail plans. The calls are recorded in the same manner as we do for our retail customers. If the switch records a toll call, ODUF provides the UNE CLEC with a toll record.
- 2. **BellSouth Retail Customers and Resale** – When processing calls recorded by BellSouth switches, BellSouth does not necessarily look at type of call to determine if it should be billed local or toll rates **to the end users**. The call is processed by verifying the From and To numbers and determining what is allowed in the tariff for the calling plan of the end user. BellSouth bills its retail customers as mandated in the tariffs.
- 3. **CLEC UNE Calling Plans** – BellSouth cannot control how a UNE CLEC bills end users for calls. The UNE CLEC can create its own unique calling plan for local/toll, or mirror the BellSouth calling plans. This is a business decision the UNE CLEC makes, not BellSouth. Therefore, if the UNE CLEC decides to mirror the BellSouth local/toll calling plans, it is up to the UNE CLEC to develop all the systems necessary to process and bill the ODUF calls, as does BellSouth.
- In summary, BellSouth must bill retail customers and Resale CLECs according to the calling plan chosen by the end user, and as mandated in the tariffs. UNE CLECs have the flexibility of creating their own unique calling plans or mirroring the BellSouth calling plans. Therefore, BellSouth provides the UNE CLECs with call data, strictly as it is recorded within the BellSouth switches.